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23,
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— 1885 —

— Cambridge, Mass., Feb. 23 — —

Yesterday morning Margie and I went out to Dorchester and staid till to-day with Mr. & Mrs. J. R. Churchill. Mr. C & I spent a good deal of time inspecting his Herbarium. During a walk Sunday P.M. I collected one plant

Tanacetum vulgare. L.

Akenes & receptacles. Field near the sidewalk. From last year's plant.
Dorchester, Feb. 22.

— Cambridge, Mass. Apr. 2 —

I spent the day with Mr. J. R. Churchill at Meeting House Hill in Dorchester. We worked at his Herbarium most of the time. About noon there was quite a flurry of snow which disappeared very soon, however. In the P.M. we took a stroll.

Rosa rubiginosa, L. Dorchester

We found this plant in fruit in a meadow. We collected fruit. Mr. C. will collect~~ed~~ flowers from the same bush later.

~ 1885 ~ ~

- Cambridge, Mass. May 17 -

This P.M. J. B. Greenough & I took a walk. The weather was clear and cool. Nature is beginning to look green at last though the trees have scarcely begun to show their leaves. We walked to the Powder House, Medford and then to the Reservoir at Tufts College. We then went to the Waterworks a short distance beyond the Reservoir where we saw some fine pumps. Then we recrossed the Mystic River to Arlington and thence home.

Hierochloa borealis, Roem. & Schultes.

I found this grass in a very wet meadow by Mystic River, Medford, by River St. I have never seen the grass growing before. It was not abundant.

~ Cambridge Mass. May 3 —

A cool day. This P.M. I took a walk with Margie and Miss S. Wyman to Fresh Pond.

Arctium Lappa, L.

Specimens from Fresh Pond Grove, showing the early rosette of leaves.

— 1885 —

— Cambridge, Mass.— May 24 —

A beautiful clear, cool day. This A.M. I started off with my box and took the Arlington Horse Car to Tuft St. Going through Tuft St. & River St., brought me to the bridge over Mystic River in Medford. I then followed Mystic River to the Lower Basin of Mystic Pond. I walked round this Basin, enjoying the most beautiful views over the water. Everything now is fresh & green. I gathered a few specimens—

Betula alba, var. populifolia, Spach.

Spec.s with staminate flowers on the shore of the Lower Basin, Medford. This birch is abundant along the shores.

Salix rostrata, Rich. (Fide L. H. Bailey, jr.)

♀ Spec.s from a shrub some 8 ft. high in dry ground, near the Lower Basin, Medford.

Hierochloa borealis, Roem. & Schultes.

Same locality as the spec. of last May 17—

— 1885 —

— Cambridge, Mass., June 7 —

A most beautiful day. This P.M. I went off with J. J. Greenough to Turkey Hill in Arlington. A fine wood surrounds the hill. Vaccinium corymbosum & vacillans and Gaylussacia resinosa were growing in profusion in full flower. I gathered a few plants —

Antennaria plantaginifolia, Hook.
Fine large ♀ specimens
Vaccinium corymbosum, L.
Gaylussacia resinosa, Torr. & Gray.
Open woodland — Turkey Hill, Arlington.
Salix rostrata, Richardson.
Fine fruit — Open field.
Hypoxys erecta, L.
Flowering specimens — woods —
Carex canescens, L. (For L. H. Bailey jr. from spec. seen)
Bog — Woods. Arlington —

1885

Cambridge, June 15 – Mass

This P.M. I went up to Fresh Pond for a couple of hours before dinner. The Carices are up in abundance.

Carex riparia Curtis. } Fide L. H. Bailey jr. from similar
" flava, L. } specimens sent him.
" debilis, Mx }
Low ground near Fresh Pond.

Stellaria graminea, L.
Grassy field by Appleton St.

Cambridge Mass. June 20

This P.M. after dinner I went up to Fresh Pond, The Carices are very abundant.

Carex debilis, Mx.
(3) " conoidea, Schk, } → (Fide L. H. Bailey jr from similar specimen sent him growing with these)
(4) " stricta Lam. } → (Fide L. H. Bailey, jr)
Moist, grassy land, near Fresh Pond.

1885

Cambridge Mass June 21

This P.M. Helen & May Dexter & myself took the cars to Arlington and then walked round the lower basin of Mystic Pond through Medford crossed the Mystic River back into Arlington and home by the cars. It has been a beautiful day, but with a good deal of wind and dust. The Iris was the only flower I saw of any vivid color. Carices seemed to abound.

~~Poa~~ compressa.? (Fide L.H. Bailey jr. from spec. sent him growing with this)
Carex Muhlenbergii, Schk.?
Dry ground near Mystic Pond, Medford.
Carex filiformis L., (Fide L.H. Bailey jr from specs sent him growing with this.)
Bog - Medford

Cambridge Mass. June 25

A beautiful day, but warm. This P.M. I took the steam cars to Waverly and did a little botanizing, returning the same way by rail.
Carex filiformis L. var. latifolia, Boeck. fide L.H. Bailey jr. from similar specimens sent him growing with these
Swampy ground, Cambridge -
Carex aperta, Boott, (Fide L.H. Bailey jr.) Type !!
Low ground - Belmont.
Lindera Benzoin, Meisner - Young fruit, Belmont.
Sanguinaria Canadensis L. Fruit, Waltham -

Allium Canadense, Kalm. Flowers, Belmont.

— 1885 —

— Cambridge, Mass., June 27 —

This A.M. I took the train at Cambridge Station for So. Acton, meeting J.R. Churchill on the cars. At Concord Junction we met Mr. Joyce who was our guide through the day. Mr. J. has lived for many years in Acton and Concord and he knows every inch of the country for miles around. He has also a wide knowledge of plants. We were between 6 & 7 hours in Acton, rambling about the country. We lunched by a cool spring under the shade of a red maple. A sharp thunderstorm came up in the P.M. and lasted for about 1/2 hr, but we went into a small hut on a hill and were sheltered. We botanized on Big Hill which lies in the town. Deep woods cover the sides and top and we found a good many very choice plants. Mr. Joyce knows where they all grow and he took us readily to them. We saw a grand profusion of ferns, the Maidenhair being very abundant. Mr. J. calls it his "Fernery". We returned by the 6.32 train. I reached home a little before 8 P.M. It had not rained here.

The plants below were from Acton, Mass.

Brunella vulgaris, L. (Flowers snowy white)
Lobelia spicata, Lam,
Open field.

Xanthoxylum Americanum, Mill.
Silene noctiflora, L.
Roadside

Carex virescens, Muhl, (Fide L.H. Bailey jr from a spec. sent him similar and growing with this)
Open ground, Meadow - Rather dry.

Pyrola secunda, L.
Melampyrum Americanum, Mx.
Asclepias quadrifolia, L.
Habenaria Hookeri, Torr.
Cypripedium parviflorum, Salisb.
Uvularia perfoliata, L.
Galium, lanceolatum Torr.
Carex laxiflora, Lam var. latifolia, Boott approaching var. blanda, Boott. (Fide L.H. Bailey jr from portions of the same plants sent him)
Deep moist woods Big Hill.

— 1885 —

— Cambridge Mass. June 30 —

I have enjoyed a very successful botanical trip today. I took the 7 A.M. train from Boston and met Rev. Thos. Morong at Natick. We were armed with botanical boxes, rubber boots & lunch. I had besides my press. We walked to Natick Swamp some mile and a half and there put on our rubber boots, and entered the swamp. It is an immense quaking bog covering with a growth of Kalmia angustifolia, Gaylussacia dumosa Andromeda ligustrina & polifolia, Cassandra calyculata Vaccinium corymbosum with Acer rubrum, Cupressus thyoides, Abies nigra, Pinus Strobus, Betula alba, var. populifolia, Cornus sericea, Larix Americana — We spent about two hours in the swamp and collected a number of plants. Then we took our lunch by a cool stream of water and returned to Natick, where we took the noon train for Ashland. We spent the P.M. in going over Mr. Morong's botanical correspondence. He gave me some very valuable letters. Robbins the botanist of Uxbridge Mass. left his botanical correspondence to Mr. Morong, who very kindly has given me specimens of almost all the letters. Robbins corresponded with such men as Oakes, Lapham, Alphonso Wood, Thurber, Durand &c.

I took tea with Mr. & Miss Wiggins and returned to Cambridge in the evening -

The following list were collected in Natick Swamp -

Drosera intermedia, Drev. & Hayne var. Americana, DC.
Very abundant. Not in flower.
Gaylussacia dumosa, Tor. & Gr.
Scattered, growing with Kalmia angustifolia
Cupressus thyoides, L.
Peltandra Virginica, Raf.
Lemna polyrhiza, L. } Fide T. Morong.
Potamogeton zosteraefolius Schum }
Scheuchzeria palustris, L.
Eriophorum vaginatum, L.
" gracile, Koch. var. paucinervium, Engelm.
Carex trisperma, Dew. } Fide L. H. Bailey jr.
" Pseudo-Cyperus. L. var. comosa, Boott. } from specs sent him
" bullata, Schk. } growing with and
" utriculata, Boott. } similar to these.

— 1885 —

— Cambridge, Mass. July 2 —

I took the noon train on the Boston, Revere Beach & Lynn R.R. for Oak Island and spent 2 hrs. botanizing on Revere Beach & Oak Island — I got back to Boston by 3 P.M.

Triticum repens, L.
Silene antirrhina, L.
Back of Revere Beach, Revere —

Plantago decipiens, Barneoud.
Salt marsh round Oak Isl. Revere.

Juncus bufonius, L.
Border of Oak Isl, Revere.

Festuca nutans, Willd
Very abundant. Oak Isl. Revere.

Lolium perenne, L. (Fide L. H. Bailey jr. from specimen sent him similar to & growing with this.
Oak Isl. Revere.

Botrychium Virginicum, Swartz.
Middle of the western part of Oak Isl. Revere.

— 1885 —

— Cambridge, Mass., July 3 —

I took the 10 A.M. boat from Boston for Nahant reaching there at 11-20. Willie Beal met me and I went to the house and lunched. Then we walked over to Little Nahant. On the sand just before reaching there, I found the Carex straminea var. moniliformis in abundance. I filled my box with rooting specimens to send to Mr. Bailey, Mich. for his Caricetum. We returned to the house and dined at 3.30. At 5 P.M. I returned by rail to Boston. The day has been very pleasant and cool - a slight thunder shower in the P.M.

Artemisia Stelleriana, Bess.
A fine tuft, some 3 ft. in diameter, in sand between Nahant & Little Nahant.
Ranunculus sceleratus, L.
Marshy land, Nahant.
Juncus Gerardi, Loisel.
Salt marsh, Nahant. Very abundant.

1885

Cambridge, Mass. July 16

During the past two weeks I have been busy drying, poisoning, labelling, mounting and putting into my Herbarium all the plants I have collected so far this Spring & Summer, besides putting in the Herb. also a package of plants from L. H. Bailey Jr. I have also verified and put into the Herb. genus Prunus & Rosaceae outside of Prunus. After carefully analyzing them at home (some 30 species) I verified them all by comparison in the Gray Herbarium.

Rev. Thos. Morong came down to the Gardens to-day and lunched with us. He brought me some Rhododendron maximum, fresh from Medfield.

I went to the Gardens this P.M. and found 2 new plants on the way:

Centaurea benedicta L.

Arctium Lappa L. var. tomentosum, Gray.

Dirt-heap between Buckingham St. & Concord Ave.

Vincetoxicum nigrum, Moench.

Garden St. Growing by the fence of the Observatory Grounds.

— 1885 —

~ Cambridge Mass. July 17 ~

This P.M. I went up to my Fathers and found
Vicia sativa, L.
Cultivated ground.

— Westmore Vermont —
— July 18 —

(Willoughby Lake House.)

J. R. Churchill, Mr. Deane and myself arrived here after a hot day's ride in the cars, at 5-30 P.M. It is a grand spot. In front of the Hotel lies Willoughby Lake flanked on one side by Willoughby Mt. with its precipitous ledges and on the other Amanance a Hor Mt. Arthur Chadbourne & his mother are here. After supper we strolled into the woods for a short time and saw magnificent ferns in abundance.

Rubus odoratus, L.
Deep woods
Geum strictum, Ait.
Open grounds.

1885

Westmore, Vt.

– July 19 –

This A.M. Mr. Churchill Mr. Jackson & I went up to the ledges on Willoughby Mt. and botanized. It was a very steep climb, through some fine woods. We made some glorious finds and saw some grand sights. The ledges are almost perpendicular and bare. We lunched at their foot and returned in the P.M. I washed all my plants in the lake.

Arabis petraea, Lam.
Astragalus alpinus, L.
Hedysarum boreale, Nutt.
Potentilla fruticosa, L.
Saxifraga oppositifolia, L.
" aizoides, L.
Primula Mistassinica, Mx.
1 Carex Oederi Ehrh. } Fide L.H. Bailey; from similar specs. sent him growing with these
2 " scirpoidea, Mx. }
Calamagrostis stricta, Trin.

Ledges – Willoughby Mt.

Monotropa Hypopitys, L. }
Allium tricoccum, Ait. }

Deep woods by Willoughby Lake.

Erigeron hyssopifolius, Mx.

Ledges – Willoughby Mt.

Carex aurea, Nutt. ~~Fide~~ L.H. Bailey; from specs. sent him.

Ledges, Willoughby Mt.

1885

— Westmore Vt. —

– July 20 –

This A.M. Mrs Churchill, Jackson, Chadbourne & I rowed on the Lake to some cliffs on the west side where we landed and botanized. We reached home to dinner and spent the P.M. working over our plants.

Draba arabisans, Mx.
Fragaria vesca, L.
Pellaea gracilis, Hook.
Aspidium aculeatum Swartz. var. Braunii, Koch.
Struthiopteris Germanica, Willd
Woodsia glabella, R. Brown:
Cliffs above Willoughby Lake, Annanance Mt.
4 Carex retrorsa, Schw. vide L. H. Bailey [illegible] but agrees with these [illegible]
Equisetum limosum, L.
Wet ground, by Willoughby Lake.

Carex [illegible]

— 1885 —

Westmore Vt.
Willoughby Lake –
— July 21 —

A rainy day – It cleared up this morning for 2 or 3 hrs and we went into the woods near the house to collect some ferns – We spent the P.M. arranging & analyzing – The Cystopteris bulbifera grows in great profusion and is very sweet scented –

43 Viola (pubescens, Ait. L.
5 Carex rosea, Schk. var. radiata [illegible]
6 " Tenella, Schk.
Aspidium spinulosum Swz. var. intermedium. D.C. Eaton.
" Goldianum, Hook.
" acrostichoides, Swz.
Polypodium vulgare, L.
Cystopteris bulbifera Bernh.

Woods on Willoughby Mt.

— Westmore Vt. —
— Willoughby Lake —
— July 22 —

This A.M. Messrs. Churchill & Chadbourne & myself rowed about a mile down the Lake on the West side where we made a landing – We then spent most of the day botanizing at the foot of the cliffs on Mt. Hor... Reached home to supper.

Clematis verticillaris DC.
Draba arabisans, Mx.
Astragalus alpinus, L.
Potentilla fruticosa L.
Erigeron hyssopifolius, Mx.
Microstylis monophyllos, Lindl.
7 Carex flava, L. (Wet ground near the Lake)
8 " eburnea, Boott,
9 " polytrichoides, Muhl (Wet ground near the Lake)
Impatiens pallida Nutt.
Trisetum subspicatum, Beauv. var. molle. Gray.
Lycopodium lucidulum, Mx.
Pellaea gracilis Hook.
Woodsia glabella R. Brown.
Aspidium aculeatum, Swartz. var, Braunii, Koch.
Base of cliffs on Mt. Annanance
Phegopteris polypodioides, Fée }
" Dryopteris, Fée. }
Mt. Annanance. Moist rocky wood, near the Lake ~

1885
Westmore, Vt.
Willoughby Lake.
July 23

To-day has been clear and not hot. The air here is delicious. Our excursion to-day has been up Willoughby Mt. We, Messrs Churchill, Chadbourne & myself, followed the path way to the summit, obtaining fine views along the way. We descended on the north side of the Mt., making our own way through the woods. On reaching the road, we went along some way, met the steamer and came back on the Lake.

Clematis verticillaris, D.C. fruit)
Draba incana, L. Fruit nearly gone)
Abundant at Pulpit Rock - Willoughby Mt.
Draba arabisans, Mx.
Rather abundant near the summit.
Viola Canadensis, L.
Abundant Willoughby Mt.
42 Viola pubescens. Ait. var. eriocarpa, Nutt. (Fide L. H. Bailey, from similar specs. [illegible] with these)
Willoughby Mt. 3 specimens found.
Eatonia Pennsylvanica, Gray.
Milium effusum, L.
10 Carex plantaginea, Lam.
11 " intumescens, Rudge
12 " canescens, L. var. alpicola. Wahl
(Fide L. H. Bailey from similar specs. I sent him specimens with these)
Willoughby Mt.
13 Carex aurea Nutt. Roadside wet ground by the Lake. Fide L. H. Bailey, [illegible] with [illegible]

1885

Westmore Vt.

Willoughby Lake

July 24

This A.M. Mrs D. & I took the little Steamer "Magic" and sailed down the Lake, crossing it twice, to the village of Westmore. We made a short stay there and returned in time for dinner. The air on the water was refreshing and the Mt. cliffs showed in all their boldness. It rained all the P.M. and we staid in the Hotel fixing our plants and writing. I collected a few plants to-day.

Viola pubescens, Ait. var. eriocarpa, Nutt. }
Achillea Millefolium, L. (with rose colored fl.) }
Roadside

13 Carex cristata Schw. var. mirabilis Boott } Fide L.H. Bailey Jr. from similar [illegible] growing with this
14 " " " very slender. }
15 " hystricina, Muhl.
Wet ground, near the roadside.

Equisetum scirpoides, Mx. (Fruit)
Wood, near the Lake

1885

Westmore Vt.
Willoughby Lake
July 25

It rained in the early morning, but stopped about 9 o'clock. Messrs Churchill Chillbourne & I went into the swamp a short distance back of the Hotel and botanized till dinner-time. The swamp is rich in vegetation -

Lobelia Kalmii, -.

Borders of a swamp - Abundant.

Habenaria obtusata, Richardson abundant
Goodyera repens, R.Br.

Moist wood -

Cnicus muticus, Pursh. ald. v. 7

Open field.

Aspidium cristatum, Swartz.
Asplenium Filix-foemina, Bernh.
Phalaris arundinacea, L.
16 Carex utriculata, Boott.
32 Eleocharis tenuis, Schultes.
33 " pauciflorus Link (= Scirpus pauciflorus Lightf.)

Fide L.H. Bailey Jr. from similar spec. sent him agreeing with these.

Habenaria hyperborea, R.Br.
Veronica Americana, Schwein.
Utricularia cornuta, Mx.

Swamp.

17 Carex Lycopodioides, Schk. var. moniliformis, Olne.

Roadside -

Carex crinita, Lam. Roadside. Perigynia -
Eriophorum polystachyon, L. Marsh -
var. latifolium, Gr.

Fide L.H. Bailey, [illegible]

19 Carex echinata Linn. var. [illegible] microcarpa Boeck. Roadside.

1885
Westmore Vt. Willoughby Lake
July 20

A cool bright day. This A.M. Mr. Churchill & I botanized in the bog back of the Hotel. In the P.M. we walked down the road to Cedar Swamp, about 1/2 m. We botanized there till 6 o'clock. Spent the evening with ~~the~~ our plants –

Geum rivale, L.
Aspidium cristatum, Swartz. var. Clintonianum, D. C. Eaton –
Ribes rubrum, L.

Damp wood.

Veronica Americana, Schwein
Liparis Loeselii, Richard
A. Juncus articulatus, L.
B. " nodosus, L. (Fide L.H.B. fr. from similar specimens seen him growing with these)
Eleocharis [illegible]
Cladium mariscoides, Torr.

Bog

Nuphar advena, Ait.

Pond by the bog.

Chara intermedia, A. Br. (Fide Dr. T. F. Allen from similar specimen seen him growing with these)

Pond by the bog

20 Carex scoparia Schk. (Fide L.H.B. fr. from similar spec seen him growing with these)

Roadside. Open ground.

Rhamnus alnifolius L'Her. (Road Cedar Swamp.)
Senecio aureus, L. var. Balsamitae, T. & G. (Gray) } Cedar Swamp.
Listera convallarioides, Hook.
Corallorhiza innata, R. Brown.
21 Carex utriculata – (Fide L.H.B. [illegible] growing with [illegible] these)

3. Carex aurea, Nutt. (Fide L.H. Bailey, from specimens seen him growing in similar [illegible] it) Perigynia. Bog Low ground.

1885

Westmore Vt.

(Willoughby Lake

July 27

A most perfect day. This A.M. Mr. C. & I took the Steamer to Westmore and spent the day till 5 P.M. botanizing on that side of the Lake. We went to the outlet of the Lake and then struck into the woods, keeping in them most of the time. We returned to the Hotel by Steamer.

Habenaria orbiculata, Torr.
Goodyera repens, R. Br.
Listera convallarioides, Hook.
Laportea Canadensis, Gaud.
Glyceria elongata, Trin.
Aspidium aculeatum, Swartz. var. ? Braunii, Koch.
Deep moist woods, Westmore.

Spergula arvensis. L.
Aralia racemosa L.
Westmore - Roadside near the Lake.

27 Carex scoparia, Schk.
Open field) Low ground. Westmore
23 Carex retrorsa, Schw. (Fide L. H. Bailey, jr. I have similar spec.s [illegible] [illegible] with these)
24 " Tuckermani, Boott.
Low ground by the Lake, abundant.

Microstylis ophioglossoides, Nutt.
Dry open grassy land. Willoughby Lake.

1885
Westmore Vt.
Willoughby Lake
July 25

A clear bright day, warm in the sun, but very comfortable in the house. We staid at home to-day to rest and fix our plants. The P.M. Maggie & I strolled to the pond back of the Hotel, where we gathered a boquet of wild-flowers. This evening Mr. & Mrs. Kennedy, Milton arrived. We had a very pleasant evening with them. They leave early to-morrow A.M. Strolled down to the Lake after tea.

Microstylis ophioglossoides, Nutt.
Dry open hillside abundant.

41 Botrychium matricariaefolium, Al. Braun. (vide L.H. Bailey [illegible] some sent [illegible] there.)
Dry, open hillside, one dozen specimens found.

Phalaris arundinacea L.
Fruit, Bog.

Chara intermedia A. Br.^{2} (vide Dr. T.F. Allen from similar specimens sent him growing with these)
Muddy pond back of the Hotel.

1885
Westmore, Vt.
Willoughby Lake
July 29

A very rainy A.M. Spent a profitable morning with my plants. This P.M. it cleared and Mr. Churchill & I took a walk down the road between 3 & 4 m. towards West Burke, botanizing on the roadside.

Rhamnus alnifolius, L'Her.
Habenaria hyperborea, R. Br.
Wet ground, border of Cedar swamp.
Pteris aquilina, L.
Roadside. This fern seems to have a very strict growth here.

— 1885 —
— Westmore, Vt. —
— Willoughby Lake —
— July 30 —

A most beautiful day. This A.M. Messrs Churchill, Whedbourne & I started out and walked along the shore of the Lake 4 m. to the Tavern. Then we took the road to Long Pond and some 3 m. further on. At the Mill we got a boat and crossed over to the other side. A short walk through the woods took us to Nigger Pond, a small muddy piece of water. We found a boat there and paddled about some little time. We found a few water-plants. We found a good many Potamogetons, but they were too young. Returning to the Tavern, we came home by steamer.

Fragaria vesca, L.
Prunus Pennsylvanica, L.
Oryzopsis melanocarpa, Muhl.
Gymnostichum Hystrix, Schreb.
Roadside Willoughby Lake.

Carex stricta, Lam.? xerocarpa. Olney. Fide L.H. Bailey's on similar specimens, taken growing with this)

Artemisia vulgaris, L.
Roadside, Westmore.

34 Sparganium simplex, Hudson var. angustifolium, Engelm.
Chara fragilis, Desv.³ (Fide T. F. Allen, on similar spec. sent him growing with these)
Nigger Pond – Westmore. The Sparganium was abundant in one place in water between 2 & 3 ft. deep the stalks just out of water & a foot or so of the leaf floating. The Chara covered the bottom of the pond where we rowed in great abundance in water 2 & 3 ft. deep. It had a very strong & disagreeable odor.

1885
Westmore Vt.
Willoughby Lake
July 31

A showery morning. We staid at home fixing our plants. This P.M. I did but little botanizing, resting from yesterday's trip. I merely strolled a short distance on the road looking at the various Carices and went a short way into the bog back of the Hotel.

25 Carex scoparia, Schk. "Small form" wet ground. (Fide L. H. Bailey from similar specimens I gave him growing with these)

26 " " Dry ground.

27 " " var. minor, Boott. dry ground.

28 " cristata, Schw. var. mirabilis (Boott. boggy gr.

29 " cristata Schw. Boggy ground.

Habenaria dilitata, Gray.
Bog. Flowers white.

1885
Westmore Vt.
Willoughby Lake
Aug. 1

A cool day, with a shower about 1 P.M. This A.M. Messrs. Churchill, Chadbourne & I went down the road by the Lake a little over a mile and then climbed up the slope of Willoughby Mt. to the base of the cliffs where we botanized till noon, and returned to dinner at 1.30 P.M. The grandeur of the cliffs is indescribable.

Fragaria vesca, L. (Achenia superficial.!!
" Virginiana, Duchesne. " immersed.!!
Roadside by Willoughby Lake.
Gymnostichum Hystrix, Schreb.
Roadside by Willoughby Lake.
Rosa blanda, Ait. (Fide Sereno Watson)
Rubus occidentalis, L.
Astragalus alpinus, L.
Muhlenbergia glomerata, Trin.
" Mexicana, Trin.
Elymus Canadensis, L. Spike nodding
Rocky slope of Willoughby Mt.
Primula Mistassinica, Mx.
Rhynchospora capillacea, Torr.
30 Carex Oederi, Ehrh. (Fide L. H. Bailey Jr. from similar specimens sent him growing with these.)
Wet ledges. Willoughby Mt.
Vaccaria vulgaris, Host.
Waste ground back of the Hotel.

— 1883 —
— Westmore Vt. —
— Willoughby Lake —
— Aug. 2 —

A very cool clear day. This A.M. Mr. Churchill & I went in to the woods back of the Cottage and kept along the slope till we came to the Lake some 1/3 m. from the South Shore. After tea we strolled a little on the road and by the barn —

Aspidium Noveboracense, Swartz.
Asplenium Filix-foemina, Bernh.
Microstylis ophioglossoides, Nutt. in fruit
xListera convallarioides, Hook.
Woods on the slope of Mt. Annanance.

Nasturtium Armoracia, Fries.
In fruit! Growing through a wood pile back of the barn.

Prunus Americana, Marshall —
Cultivated — Field behind the Hotel —

Arctium Lappa, L.
Behind the barn. At least 8 ft. high.

1885
Westmore, Vt.
Willoughby Lake
Aug. 3

A very cool clear A.M. and cloudy P.M. Mr. Churchill left for home this A.M. Prof. H. G. Jesup of Hanover, N.H. has been here for some few days. I have had some very pleasant conversations with him. He is Prof of Botany at the State Agric. College. We botanized together at the pond and bog back of the Hotel this A.M. This P.M. after putting my plants in press, I played quoits with a party of gentlemen in front of the Hotel till nearly supper-time. Prof. Jesup spent part of the evening in my room.

Utricularia cornuta, Mx. fruit
[illegible]
31 Eleocharis pygmaea, Torr. [illegible]
Sagittaria variabilis, Engelm. var. hastata
"   "

Bog behind the Hotel

39 Scirpus Eriophorum, Michx
"   atrovirens, Muhl.
Low ground behind the Hotel.

Naias flexilis, Rostk. (Fide L.H.Bailey jr. from specimens sent him growing with & like these)
muddy shallow pond behind the Hotel.

— 1883 —
— Westmore Vt. —
— Willoughby Lake —
— Aug. 4 —

A very rainy A.M. We spent most of the time in packing for our departure for Shelburne. The P.M., Mr. Chadbourne & I went up Willoughby Mt. We rambled up slowly to the summit, stopping to enjoy the view from Pulpit Rock and descended in time for supper. This evening I packed my botanical chest. Prof. Henry G. Jesup left this A.M. for Newport, Vt.

40 Aspidium spinulosum Sw. var. dilatatum Hooker. (Fide L.H. Bailey Jr. from sim. specs. seen him growing with this)
Dicksonia punctilobula, Kunze.
Monotropa Hypopitys, L.
Tiarella cordifolia, L.
(Woods, Willoughby Mt.)

Solidago bicolor, L. var. concolor, Torr. & Gr.
(Open ground by Pulpit Rock.

37 Poa serotina, Ehrhart. (Fide L.H. Bailey, Jr. from similar specs. seen him growing with these.)
Muhlenbergia glomerata, Trin.
Calamagrostis stricta, Trin.
Summit of Willoughby Mt. Rocky ground.

— 1885 —
— Shelburne, N.H. —
— Aug. 5 —

We left the Willoughby Lake House in A.M. at 8-30 o'clock, and drove to Island Pond over a road 20 miles long, in a buckboard with Mr. Richardson, our landlord driving. A large party went in a coach and 4 horses with us. They are to spend the night at the Stewart House at Isl. Pond and return to-morrow. We dined at the Stewart Ho. and took the 1.30 P.M. train for Gorham, reaching there at 3 P.M. There we met a team and drove to Shelburne, where we are established in our old quarters at A. E. Philbrook's. My plants arrived all right.

— Shelburne, N.H. —
— Aug. 6 —

This A.M. I strolled over to the Knubble for a little while with Miss Farley and Christine Farley who are staying here. Everything looks as usual. I found a magnificent Corallorhiza multiflora. I changed the blotters in my plants before dinner. In the P.M. and part of the evening I labelled my Willoughby Collection. Took a short stroll in the evening. Fred & Stephen Cabot men from our School are here, also Prof. J. B. Greenough and family, Jack Vaughan and Mr. & Loring Briggs. & Mr. C. J. White.

Corallorhiza multiflora, L. Woods. Knubble.

1885

Shelburne N. H.
Aug. 7

A clear, cool day. Everybody started this A.M. fishing &c. I stayed at home labelling plants. This P.M. I labelled & finished my Willoughby Collection.

Shelburne, N. H.
Aug. 8

A clear day cool in the A.M. and latter part of the P.M. and evening, warm at noon and in the early P.M. I spent most of the day arranging L. H. Bailey, jr's plants to send. I shall send him some 90 species.

Shelburne, N. H.
Aug. 9

A clear, comfortable day. This A.M. I finished Mr. Bailey's bundle of some 80 species of plants and shall express them to-morrow A.M. This P.M. we went to Bowie's & Kitchen.

Aspidium Thelypteris, Swz.
44 Carex tentaculata, Muhl. & det. L. H. Bailey jr. from similar specs sent him growing with & like these ("but a [illegible] form" [illegible])
Wet ground

— 1885 —

— Shelburne N. H. —

— Aug. 10 —

A rainy day - Worked over my plants this A.M. sorting them &c. Fred Baker analyzed a number of Ferns in my room. This P.M. I poisoned a number of my plants in the workshop in the barn. & I have resolved to poison all my [illegible] Collection [illegible] instead of collecting more plants. Read a novel "Leavenworth Case" this evening! - I got my poison, dish, brush &c at Gorham -

— Shelburne, N. H. —

— Aug. 11 —

A rather warm day. This A.M. I poisoned plants and played tennis. In the P.M we made arrangements for a tennis tournament. I also worked on some Florida plants sent me by L. H. Bailey, jr.

— Shelburne, N. H. —

— Aug. 12 —

A warm day. Poisoned my Carices this A.M. Verified Florida plants this P.M. Played two sets of the Tournament before supper.

1885

Shelburne, N.H.

Aug. 13

A very rainy day. I poisoned plants this A.M. & the P.M. we went over to the Winthrop House to a fair gotten up for the new church that is building.

Aug. 14

Shelburne, N.H.

A beautiful, rather warm A.M. raining P.M. I poisoned plants for a short time this A.M. and then went up Cabot. After dinner I finished poisoning my Willoughby Plants with the exception of a very few which are still in press. I have been from 7 to 8 hours poisoning the collection.

Shelburne N.H.

Aug. 15

A clear day. This A.M. Margie & I took a short walk down the road. Then I took my poisoned plants out of press and put them all in my chest. This P.M. I read a little under the pines and then verified some of Mrs. M. L. Deveny New Jersey plants.

Setaria glauca, Beauv. } weed-grass.
" viridis, Beauv. }

— 1885 —
— Shelburne, N.H. —
— Aug. 16 —

A beautiful day, clear and not warm. This A.M. Maggie & I walked down to the river. Spent part of the morning verifying the N.J. plants. This P.M. a party of us drove to Peabody's, some 3 miles up the road and walked in by the Lead Mine to a flume formed by the rocks. It is a fine spot. I was delighted to find the little Asplenium Trichomanes and Aspidium fragrans on the cliffs. The blueberries (Vacc. Canadense) are very abundant everywhere. I never imagined that they could grow so thickly. On one stem I counted 27 berries clustered as thickly as they could press against each other. We returned in time for supper.

Cicuta bulbifera, L.

Wet ground by the creek. I found but [illegible] in

Asplenium Trichomanes, L.

I found 3 specimens in a shaded cliff.

Aspidium fragrans, Swartz.

I got 24 specimens of this Fern growing in a cleft of the rocks. It was in a dry place.

1885
— Shelburne N.H. —
— Aug. 17 —

A very beautiful clear day, cool in the A.M., warm at noon and very cool by sunset. This A.M. Margie & I walked up the road nearly to Mill Brook. Then I went into the woods towards Cabot's and brought back a couple of plants of Actaea alba. Stephen Cabot brought me up from near the river some Actaea spicata, var. rubra and I sent off some pedicles of the plants in vials of alcohol to C.G. Lloyd Cin. O.

J.J. Greenough & I had an early dinner and started off by 12-40 P.M. with Midget and the buggy for Alpine Cascade, Gorham, 12½ m. We had a delightful drive there and a grand time climbing round the rocks collecting Ferns. We returned to Shelburne by 7-30 P.M.

Woodsia Ilvensis R. Br.

Abundant. Rocks. Alpine Cascade, Gorham.

Aspidium fragrans, Swartz.

I got one magnificent specimen from a cliff, overhanging the Cascade by dislodging it with a long pole.

Solidago bicolor L. var. concolor, Torr & Gray.

Abundant along the roadside, with S. bicolor. Gorham —

Melampyrum Americanum, Mx.

Woods.

— 1895 —
— Shelburne N. H. —
— Aug. 18 —

A beautiful day. Worked on the N.J. plants and played tennis, besides taking a bath in the river in the A.M. Finished the N.J. plants in the P.M.

— Shelburne N.H. —
— Aug. 19 —

A cool morning, with a slight shower in the P.M. Wrote letters & played tennis in the A.M. Worked on my plants in the P.M.

Shelburne N.H.
— Aug 20 —

A beautiful day. This A.M. I poisoned the N.J. plants and some of mine that had dried. I played tennis some in the P.M. I went down to the river before supper.

Polygonum incarnatum, Ell.
Freq., hollow in Mr. Leary's field.

— 1885 —

— Shelburne N.H. —
— Aug. 21 —

A cool morning. Therm. 50° at 8 A.M. A party of us walked to [illegible] and spent the morning there. The blackberries are thicker on the mountain than I ever saw them. We tasted a number. This P.M. it clouded up and it has been raining the latter part of the afternoon. I have spent the time with my plants. The N.J. Collection is now ready to mount and the duplicates are separated.

Thuja occidentalis, L.
By Mill-Brook. A low tree densely covered with fruit.

— Shelburne. N.H. —
— Aug. 22 —

A clear, cool day with considerable wind. I did some reading & writing this A.M. This P.M. I poisoned some Ferns and did some more reading.

A List of the Ferns found [illegible] [illegible] & vicinity [illegible] between July 18th & Aug. 2nd 1885, by [illegible]

Polypodium vulgare, L.
Covering shaded rocks. Abundant.

Adiantum pedatum, L.
In damp woods. Very abundant.

Pteris aquilina, L.
In open places. Very abundant.

Pellaea gracilis Hook.
Wet, shaded rocks and cliffs. [illegible] abundant.

Asplenium Filix-foemina, Bernh.
Moist woods. Abundant.

" thelypteroides, Michx.
Moist woods and damp grounds, abundant.

Phegopteris polypodioides, Fée.
Moist woods. Very abundant.

" hexagonoptera, Fée.
Moist woods. Very abundant.

Aspidium Thelypteris, Sw.
Moist [illegible]. Very abundant.

" Noveboracense, Sw.
Open woods. Occasional.

" spinulosum, var. intermedium, [illegible]
Moist woods. Very abundant.

" [illegible] [illegible] [illegible]
Abundant in [illegible]

" [illegible], [illegible]
[illegible] [illegible]

Aspidium spinulosum var. intermedium, [illegible]
Rich woods.

[illegible] [illegible]

" Goldianum, Hook. Not common.
Rich woods, [illegible]

" marginale, Swz.
Rich woods. Abundant.

" acrostichoides, Swz.
Rich woods. Abundant.

" aculeatum Swz. var. Braunii, Koch.
Rich woods. Very abundant on [illegible]

Cystopteris bulbifera, Bernh.
Rich woods. Very frequent. Very abundant.

" fragilis Bernh.
Shaded rocks. Abundant.

Onoclea sensibilis, L.
Wet places. Very abundant.

" Struthiopteris, Hoffm. Wet [illegible]

Woodsia glabella, R. Br. Wet rocks and cliffs. Abundant. [illegible]

Dicksonia pilosiuscula, Willd.
Moist shade. Very abundant.

Osmunda regalis, L.
Wet. But little seen.

" Claytoniana, L.
Wet ground. [illegible]

" cinnamomea, L.
Wet ground. Abundant.

Botrychium matricariaefolium, A. Br.

Rather dry soil. Frequent.

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible],
[illegible] [illegible]). But little [illegible]
[illegible] plant [illegible] very young and just
appearing —

— 1885 —
— Shelburne, N.H. —
— Aug. 23 —

A foggy day, rather warm at noon-time. A.M. I spent the A.M. in writing. This P.M. a party of us went up Cabot. The Blue berries (Vacc. Canadense) are still very abundant. The Solidago humilis is now in full bloom on the summit.

Pirus Americana, DC.
Fruit. Mt. Cabot. Summit.

— Shelburne, N.H. —
— Aug. 24 —

A cloudy day with rain in the P.M. This A.M. Mr. Briggs & I drove up the road a little over 3 miles. There we left the party which was going to Jefferson and went in to the Ravine. I examined carefully the cliffs some at first and got some more Aspidium fragrans & Asplenium Trichomanes. We walked home in time for dinner. Spent the P.M. arranging my plants & reading.

Aspidium fragrans, Swz }
Asplenium Trichomanes, L. }
Rocky cliffs.
Aralia hispida, Ventenat, Fruit. Rocky ground.
Hieracium scabrum, Michx.
Roadside. Abundant.

— 1885 —

~ Shelburne, N. H. ~
~ Aug. 25 ~

A cold cloudy day. I struck my knee rather sharply against a rock yesterday at the Flume and I have kept rather quiet to-day, walking about a little. I hear constantly from L. H. Bailey, jr. He is with the A.A.A.S. this week at Ann Arbor, Mich.

Botrychium ternatum Sw. (Geo. E. Davenport)
Muhlenbergia Mexicana, Trin.
Aster macrophyllus, L. (Fide Asa Gray)
Knoll, by the river —
Gentiana linearis, Froel.
45 Carex tentaculata typica, Muhl. (Fide L.H. Bailey jr. from similar [illegible] [illegible] with these.
Wet ground by a brook —

~ Shelburne, N. H. ~
~ Aug. 26 ~

A very cold day. A party of us went up Cabot this A.M., cooked our dinner in the woods, visited the summit and returned to the house in the P.M. Mr. Philbrook went up Mt. Washington to-day and reported a [illegible] [illegible] [illegible] [illegible] 3 in. of [illegible] —

1885

Shelburne, N.H.

Aug. 27

A clear, cold day. This A.M. I walked up the road as far as Mill Brook and strolled about the fields picking Hazle-Nuts (Corylus rostrata) for L. H. Bailey, jr. In the P.M. a party of us walked up the road as far as Gates and then went up Crag where we had a very fine view. We got back before supper.

46 (Carex lupulina, Muhl. typica fide L. H. Bailey jr from similar specimen sent him grew in with this.)
(Ranunculus Pennsylvanicus, L. [illegible].)
Low ground —

Shelburne, N.H.

Aug. 28th

A clear cool day. This A.M. I did a little botanizing by the River. In the P.M. a party of us walked to the foot of Crag and I got root stocks of various Ferns to plant at home.

Botrychium ternatum Sw., (fide Geo. E. Davenport)
Knoll by the river —

Potamogeton gramineus L. var. maximus, T. Morong. (fide Thos Morong.)
In the river, running water, 2 ft. deep. There was a good deal of the plant in from 6 in. to 3 ft. of water rooting in the sandy bottom. I found but one specimen in fruit.

— 1885 —
— Shelburne N.H. —
— Aug. 29. —

A cloudy, cool day. This A.M., I pressed some plants and then a party of us walked up Crag and returned to dinner. This A.M. I played tennis and picked some Viburnum Opulus (fruit) to send to Mr. Bailey.

Aspidium Noveboracense, Sw. }
Goodyera repens, R.Br. }
damp wood –
Woodsia Ilvensis, R.Br.
Rocks, roadside. Growing abundantly ½ m. above Mr. Burbanks in tufted mats.

* * *

— Shelburne, N.H. —
— Aug. (?) —

A rainy, chilly day. Mercury at 8 A.M. 47°. I have been busy to-day packing my botanical chest and doing up a small bundle of plants for L.H. Bailey, jr.

— 1885 —

— Shelburne, N. H. —
— Aug. 31 —

A rainy A.M. and clear, warm P.M. I have spent most of the day packing and also getting a box of fruit ready to send to Prof. L. H. Bailey, Jr. He wrote me some time ago to send him some wild fruits for an exhibition of wild fruits by the Pomological So. of Mich. of which he has charge. I have put up some small boxes of the fruit of Cornus circinata, Viburnum Opulus, Vaccinium Vitis-Idaea, V. Pennsylvanicum & V. Canadense and have expressed them to him. I also sent off to him by mail 10 species of rare plants from Willoughby Lake Vt. & Mr. Wm. Deane (for Cambridge [illegible])

— Cambridge Mass —
— Sept. 1 —

A clear pleasant day. We left Shelburne this A.M. and got home at 6 P.M. We are to stay at home [illegible] till Sat. when we go to Nantucket. My plants came through all right.

— [illegible] —

— Chesterfield, Mass. —

— Sept. 2 —

[illegible] clear and [illegible]. I [illegible]

— Williamsburg, Mass. —

— Sept. 3 —

[illegible], and [illegible]. This A.M. I [illegible] [illegible] [illegible] Garden and [illegible] my Willoughby List with [illegible].

— Cambridge, Mass. —

— Sept. 7 —

Very pleasant day. I have been busy all day finishing up my Willoughby plants. This P.M. I verified a few plants at the Garden.

1885

Nantucket, Mass.

Sept. 5

A clear, cool day - We, Mr. Churchill, my wife and myself, started from Boston this A.M. at 12-45 and reached here by 6-45 P.M after a delightful sail. We have two rooms at the Bay View Hotel where we shall stay for a week - It clouded this P.M. and towards evening rained.

* * *

Nantucket, Mass. -

Sept. 6

A clear, cool day. This A.M. we made no long expedition as I was rather unwell last night. However, we walked out on to the Moors South of the town and collected a good many plants before dinner. The Moors & Barrens were yellow with Chrysopsis falcata and in places white with Sericocarpus conyzoides - After dinner, we arranged our plants in press and then walked a couple of miles before tea. We are especially noting plants for Mrs. M. L. Owen's list. We walked this day some 6 miles.

Sericocarpus conyzoides, Nees.
Chrysopsis falcata, Ell.
Tricuspis purpurea, Gray.
Hieracium Gronovii, L.
Pine Barrens south of the town. All abundant.

Verbascum Blattaria. L.
Artemisia caudata, Michx.
Andropogon Virginicus, L.
Moors, south of the town.

Aristida purpurascens, Poir.
Pine Barrens south of the town. Abundant.

Zizania aquatica, L.
Gerardia purpurea, L.
Solidago tenuifolia, Pursh.
Epilobium hirsutum L. In the town.
Cyperus diandrus, Torr.
Low ground near the town.

Juncus Canadensis, J. Gay var. longicaudatus, Engelm.
Sandy soil, near the town.

Cyperus phymatodes, Muhl.
In cultivated ground amongst clover and also in sand by the R.R. track.

— 1885 —
— Nantucket Mass —
— Sept. 7 —

A beautiful clear cool day - This Am. Mr. Churchill & I started from the Hotel at about 9 o'clock and walked over the western part of the island visiting a number of Ponds (Reed - Capaum - Washing - Maxey's - Waqutuquaib - Head of Hummock.) We finished at Washing Pond - Reached home by 5.30 P.M. - Spent the evening with our plants — Walked some 8 miles.

Eriocaulon septangulare, Withering -
Reed & Washing Pond -
Discopleura capillacea, DC.
Low ground by Reed Pond -
Phragmites communis, Trin.
Hydrocotyle umbellata. L. }
Reed Pond.
Spiranthes simplex. Gray.
Aster concolor, L. }
Sandy Moors -
Xyris flexuosa, Muhl. var. pusilla, Gray
Gratiola aurea, Muhl.
Juncus pelocarpus, E. Meyer
Cyperus dentatus, Torr. }
Border of Washing Pond -
Limnanthemum lacunosum. Griseb.
Washing Pond.

Bartonia tenella, Muhl.
Lepidium Virginicum, L.
Low border of Waqutuquaib Pond.
Cyperus Nuttallii, Tor.
Potamogeton Claytonii, Tuckerman. (Fide Thos. Morong)
(Maxey's Pond)
Eupatorium rotundifolium, L. var. ovatum, Torr.
Andropogon macrourus, Michx.
Eriophorum Virginicum, L. var. album Gray,
Solidago, ulmifolia, Muhl. (Fide Asa Gray)
Low ground near Hummock Pond - Mill-brook swamp
Botrychium ternatum, var. obliquum, Milde. (Fide Geo. E. Davenport)
([illegible]) - [illegible]) -
Hibiscus Moscheutos, L.
Fruit - Low ground by Capaum Pond -

— 1885 —

— Nantucket. Mass. —

— Sept. 8 —

A beautiful, clear day. This A.M. we took the cars to Tom Nevers Head in the S.E. part of the Island. From there we went round Tom Nevers Pond where we found the little Utricularia and Drosera filiformis. The U. was so small growing in the clean sand by the water & within some 12 ft. that we only found it by stooping close to the sand. We then went through Tom Nevers Swamp and over the Moors to the Siasconset Road to Bloomingdale where we ate our lunch. Near the road we found the Woodwardia angustifolia. We walked to Siasconset and took the 5-30 train back to town. Spent the evening arranging our plants. Walked some 6 miles

Liatris scariosa, Willd.
Moors. Nantucket.

? Utricularia
Drosera filiformis, Raf.
Border of Tom Nevers Pond.

Polygonum dumetorum L. var. scandens, Gray.
Viburnum molle, Michx.
Aster spectabilis, Ait.
Solidago puberula, Nutt.
Prenanthes alba, L.
Quercus prinoides, Willd.
Moors ~ Siasconset.

X [illegible] flexuosa, Muhl var. pusilla Gray.
1 Sandy shore of Long Pond [illegible]
[illegible] angustifolia, Sm.
Siasconset Road, Bloomingdale -

— Nantucket, Mass. —
— Sept. 9 —

This A.M. opened with rain and during the first part of the morning, it rained and blew a good deal, but, by the middle of the morning, it stopped raining, though it continued to be very cloudy all the rest of the day. Mr. Churchill & I set out at 9 o'clock with our rubber-coats and went south of the town through the Pine Barrens and over the Moors to Miacomet Pond and along the East side of it to the South Shore where we watched for a while the surf rolling in. We then returned to town by the west side of the Pond and over the Moors reaching home by 1.30 P.M. It is three miles in a straight line from the town to the South shore - We walked some 8 miles. We walked all the distance in our rubber-boots. We found the Limosella very abundant on the shore of Miacomet Pond.

Tephrosia Virginiana, Persoon.
Asclepias obtusifolia, Michx.
Aster patens, Ait.
" dumosus, L. (Fide Asa Gray)
Moors south of the town
Spiranthes simplex, Gray.
Abundant on the Moors west of Miacomet Pond, near the road –
Solidago rugosa, Mill.
Chimaphila maculata, Pursh
Lespedeza hirta, Elliot.
Pine Barrens, south of the town
Cyperus strigosus, L.
Polygonum Hydropiper, L.
Low ground south of the town. The Polygonum was very abundant.
Panicum miliaceum, L.
Waste ground - dirt heap -

— 1885 —
— Nantucket, Mass —
— Sept. 10 —

A cold windy day, with a little rain in the A.M. It has been very cloudy all day, till towards sunset. Mr C & I took a horse & buggy and started off at about 7 A.M. We had on rubber boots, rubber coats & over coats which barely sufficed to keep us warm. Drove straight to Polpis botanizing along the way, visited Almanac Pond which was almost dried up and then drove to Wauwinet where we put up the horse and lunched. Then we started on foot and walked over to Coskata as far as Coskata Pond. We found a number of salt marsh plants finely developed — Pluchea camphorata, Polygonum maritimum, Scirpus maritimus, Cakile Americana. Returning to Wauwinet we took the horse & buggy and drove round to Polpis a different road visiting a large cluster of the Hibiscus Moscheutos, which were in fruit. We came into our old road by Eele Fire Spring and reached the Hotel by 7 P.M. Our walk to Coskata & back was about 3½ miles.

Aster concolor, L.
" patens, Ait.
Moors –
Zañichellia palustris, L.
Filling a ditch of running water in Polpis.
Lathyrus palustris, L.
Samolus Valerandi, L. var. Americanus, Gray.
Low meadow land, Polpis –
Polygonum Hydropiperoides, Michx.
Muddy ditch, Polpis –
Hypericum adpressum, Barton
" mutilum, L
Gratiola aurea, Muhl
Elatine Americana, Arnott.
Cyperus dentatus, Torr. (with proliferous buds)
Cladium mariscoides, Torr.
Shore of Almanac Pond
Calamagrostis Nuttalliana, Steud.
Cranberry bog – Polpis. Saw 2 specimens
Sorghum nutans. Gray –
Near Eat-Fire Spring – Abundant in the North-Eastern part of the Island.
Ascyrum Crux-Andreae L
Wauwinet –
Gnaphalium uliginosum L.
Erythraea spicata, Pers.
Polygonum maritimum, L.
Scirpus maritimus, L.
Andropogon macrourus, Michx.
Coskata –
Quercus prinoides, Willd. – Moors –

– 1885 –
Nantucket Mass. –
– Sept. 11 –

A clear, cool day with a delicious breeze – Mr. C & I visited the photographers this A.M. and had our tintypes taken. We then started off and kept the Siasconset Road, till between the 4th & 5th mile post, when we struck off through the Moors to Gibbs Pond which lies in the very centre of the Eastern part of the Island. There we had our lunch. We botanized around about half of the pond and then returned home, going nearly due West over the Moors and coming out on the Polpis Road not far from the Siasconset Road. We found Ranunculus alismaefolius in a small bog East of the town. The specimens were very poor owing to the dryness of the bog. On the Moors we found 16 specimens of Cypripedium acaule. One specimen bore a fruit stalk. We reached the Hotel by 6 P.M. Our walk was about 10 miles long –

Aster concolor, L. } Moors –
Solidago Canadensis, L. var. procera, Torr. & Gr. (Fide Asa Gray).
Aster spectabilis, Ait. – Pine Barrens
Epilobium hirsutum, L }
Woodwardia Virginica, Sm. } Bog –
Panicum proliferum, Lam. }
" dichotomum, L. }
Utricularia }
Sandy shore of Gibbs Pond.

— 1885 —
— Cambridge Mass. —
— Sept. 12 —

We left Nantucket at 12-30 and reached home safely at 8-15 P.M.

— Cambridge Mass. —
— Sept 13 —

I have been very busy to-day with my plants. I have received from Rev. H. G. Jesup a box of Arceuthobium pusillum. Called on Mr Watson this P.M.

— Cambridge Mass. —
— Sept. 14 —

I have been at the Gray Herb. this A.M. verifying my doubtful Nantucket plants. Was busy with my plants this P.M.

Cambridge, Mass.
Sept. 15.

Went to the Garden this A.M. to do a little work for Lloyd. Busy with my plants the rest of the day.

Argemone Mexicana, L.
Solanum sisymbriifolium Lam
Datura metaloides, DC
Echium vulgare, L.

Rubbish Heap. Sept. 15. I have visited it the one from which I coll. plants last Sept.

Cambridge, Mass.
Sept. 16

I have spent to-day in Ashland with Rev. Thos. Morong. He has given me a set of the plants he collected this summer at Lake Champlain and also a number of English Plants and some from France, Sardinia Corsica & Sweden & Germany which he has received from Arthur Bennett Croydon England. I took the 7 A.m train from Boston and returned home at 8-30 P.m. It has been a cool day with showers.

Cambridge, Mass
Sept. 17

This A.m. I went in to the Horticultural Exhibition with my sister Mary. Had a conversation with Mrs. P. D. Richards of Medford who had an exhibit of wild flowers. Pressed some plants this P.m. The weather has been cool & pleasant

Argemone Mexicana L.
Setaria Italica, Kunth.
Datura Meteloides, DC.
Waste heap ~ [Parker St]

— Cambridge, Mass. —
— Sept. 18 —

A clear, cool day. This A.M. I visited the Rubbish heap and also put all my Ferns in the mounting-box. This P.M. & evening I have mounted the Ferns and put the Carices in the mounting-box.

Datura Meteloides, DC.
Bidens cernua, L.
Sicyos angulatus, L.
Waste & Rubbish-heap

— Cambridge, Mass. —
~ Sept. 19 ~

A clear beautiful day, rather warm at noon. The A.M. I put my mounted Ferns in my Herbarium. I took the 12-15 P.M. train from the N.Y. & N.E. Station where I met Mr. Churchill and we went to Readville. There we met Mr. E. E. Faxon of Jamaica Plain. We went over Pauls Bridge into Milton and up Blue Hill botanizing. We went over the Hill on to the Scotch Woods Road and through

some beautiful woods back to Readville
some 6 or 7 miles in all. Blue Hill has a
fine flora and I got a number of plants
new to me. We went especially for [illegible]
[illegible] which Mr. E. found last year, but
though we went to the very spot on the Hill
there was none of it to be seen.

Eupatorium aromaticum,
Aster corymbosus, Ait.
" [illegible] L. [illegible]
[illegible] L.
Solidago nemoralis Ait.
Pycnanthemum linifolium, Pursh.
Quercus Prinus L.
" prinoides, Willd.
Asplenium Trichomanes L.
" ebeneum, Ait.

Blue Hill, Milton.

Solidago caesia L. Roadside, Milton.
Cassia Marylandica, L.
Growing naturally in a potato patch in Readville
It was originally in uncultivated ground, but of
late years the ground has been fenced in, and
the plant still persists.

1883

~ Cambridge Mass. ~
~ Sept. 20 ~

A clear cool day. To-day I have mounted all my Willoughby & Shelburne Carices. This evening I have put a good many plants in the mounting box.

~ Cambridge, Mass ~
~ Sept. 21. ~

A most beautiful clear cool day. This A.M. I took my Carices from the press and put them in my Herbarium. Took the 1-15 P.M. train at the Providence Depot for Jamaica Plain where I met Mr. C. E. Faxon. We took a walk of some 8 miles through Brookline along Heath St. to Hammond St. and then to Newton St. and to the Allandale Spring and home through West Roxbury to Jamaica Plain. Took the 6-02 P.M. train to Boston.

Solidago speciosa, Nutt.
Field off Heath St. Brookline.
Solidago neglecta, Tor. & Gray.
" " var. linoides, Gray, (fide Asa Gray)
" serotina, Ait. var. gigantea, Gray.
Bog. Putterham, Brookline.
Aster Novae-Angliae, L.
Louders Lane. West-Roxbury.

— 1885 —

— Cambridge Mass. —

— Sept. 22 —

Went into the school this A.M. and staid till noon with Mr. H. Then went up town. Got home to lunch — Spent the rest of the day & evening putting my Willoughby & Westmore plants in the mounting box —

— Cambridge Mass —

— Sept. 23 —

Went to the school this A.M. Got home to lunch — Did up some Ferns to send to Mr. G. E. Davenport for verification — This contains 9 mounted plants —

— Cambridge, Mass —

— Sept. 24 —

This A.M. I took yesterday's plants out of the drier and this evening put them in my Herbarium. Went to the school this A.M. and up town this P.M. where I got some Fish Glue and at Whitings I bought some 10 lbs of brown paper which I shall have cut for exchanging plants

[illegible]

Cambridge, Mass.
Sept. 25

Busy in town all day today. This evening I looked over a large bundle of Washington Solidagos from Washington. Mr. H. W. Henshaw wishes to have them verified.

— Cambridge, Mass. —
— Sept. 26 —

At School all day. Mounted a few sheets this evening. Mr Henshaw called and we discussed his Solidagos and settled a few.

Cambridge Mass. —
Sept. 27 —

I spent the day in the house. Weather rather warm. This P.M. I drove with J. J. Greenough through Belmont & Brighton. I have mounted a good deal to-day. Mr. Henshaw call this A.M. and looked over my ferns —
Argemone Mexicana L. Rare — Waste — Escap.

–1885–

–Cambridge, Mass.–

–Sept. 28–

Went to school to-day. This P.M. & evening I have put all my Willoughby plants in the Herbarium. Weather very fine.

–Cambridge, Mass.–

–Sept. 29–

I have put all my Nantucket coll. in the Herbarium. Mr Henshaw and Mr Brewster called this evening.

–Cambridge, Mass.–

–Sept. 30–Oct.–

During these days I have verified plants and written a number of botanical letters. I have done up and delivered to Bailey a bundle of Nantucket plants.

Vincetoxicum nigrum. Moench.

Univ. Garden &c. Oct. 1st–

–Cambridge, Mass.–

–Oct. 3–

A rainy day. To-day I have mounted all my Nantucket plants. Have labelled Mr. Mann's Ohio plants–

1885

Cambridge, Mass.
Oct 4

This A.M. I took my Nantucket plants from the press

Cambridge, Mass.
Oct 5

This P.M. I put Nantucket plants in the Herbarium:

Solanum Carolinense, L.
Salvia tiliaefolia, Vahl.
Sicyos angulatus, L.
} Waste-heap. Cambridge. Oct. 4th.
Ailanthus glandulosus, Desf.
Chas. Deane's grounds

Cambridge, Mass.
Oct 6

This P.M. & evening I poisoned a large number of plants

— 1885 —

Cambridge, Mass. —
Oct. 7-8-9-10 —

I have been busy during these days poisoning plants and getting Mr. Morong's bundle ready. I have also been to the Garden to visit a few plants. [illegible] W. C. [illegible] [illegible] today —

Euphorbia Esula. L. (Fide L. H. Bailey jr)
Ballota nigra. L.
Rubbish-heap

Genista tinctoria, L.
Open field below Harvard Sq. off Broadway near Felton Block.

Cambridge Mass —
— Oct — 11-12-13-14 —

Sunday I filled the Mounting Box. Monday & Tuesday I mounted some 60 sheets. Wed. I mounted a little and got Mr. Morong's bundle ready to send. There are 92 species all but two of which are poisoned.

— — — — —

Cambridge, Mass.
Oct. 15 —

Mounted a few plants this P.M. Call on Dr. J. Barnes before dinner.

-1885-
-Cambridge, Mass.-
-Oct 16-

I mounted plants this P.M. & evening.

-Cambridge, Mass.-
-Oct. 17-

Today I have mounted Davenport's [illegible] and Mr. Morong's [illegible] [illegible] plants and have all yesterday's mounting in the Herbarium. I have received this year plants from Mr. Morong, Geo. E. Davenport, L. H. Bailey, jr. R. H. [illegible] (from Georgia), Mrs. M. L. Owen.

-Cambridge, Mass.-
-Oct 18-22-

Have done considerable on my plants during the week.

-Cambridge, Mass.-
-Oct 23-24-

Oct 23rd M. & I went over to Dorchester and spent the night with Mr. Churchill. He, very unfortunately, has ruined all his summer collection by a mistake in poisoning. The plants are all bleached or blackened.

– 1885 –

– Cambridge Mass.

– Oct. 24 –

This A.M. Mr. Churchill & I went down to the Court House in Dorchester and after he had transacted some business we returned to the house. Then we, Mr. M. C. & I, went to Boston and called at the Library of the Horticultural Society where we met Mrs. M. L. Owen of Springfield with whom we had an interesting talk concerning the Nantucket Flora.

Stachys arvensis, L.

Running wild in a vegetable garden. (

Celastrus scandens, L.

Running wild over trees by cultivated land)

Dorchester, Mass.

— Cambridge, Mass. —

– Oct 25 –

This A.M. I went over to Brookline & dined with Harold Coolidge & his family. In the P.M. we walked through Brookline and into Newton. It was a glorious P.M. Walked in all during the day about 13 miles.

Solidago [illegible]

Stems – Brookline off Heath St. Same spot as the specimens coll. last Sept 21

— Cambridge, Mass —
- Oct. 29 -

Have scarcely touched my plants this week

- Cambridge, Mass.
— Oct. 31. —

Yesterday, after school, I went down to the Eastern Depot where I met Margie. We went down to Beverly to Miss Lillie Lovering's cottage where we spent the night. It was a rainy day. This A.M. before breakfast, I went down to the shore a short walk from the house and enjoyed the view. I was obliged to return to Boston early to work on the school reports. It has been a clear cool day. We had a cold morning and snow flakes were seen dancing in the air -

Urtica gracilis, Ait.
Waste land near the shore, Beverly.

— 1885 —

— Cambridge, Mass. —
Nov. 8th

During the past week I have done more or less work on my plants. [illegible] dined with us Thursday the 5th, Mr. Churchill dined with us last evening. I have been poisoning Bailey's coll. this week in part — also naming some of R. N. Lambert's Geo. coll. Yesterday Mr. E. Faxon sent me a [illegible] of most beautiful specimens of White Mt. plants.

— Cambridge Mass. —
— Nov. 29 —

The past 3 weeks have quickly fled. Dr. Gray's 75th birth-day occurred on the 18th and through the editors of the Botanical Gazette acting through Prof. C. R. Barnes, a memorial vase was presented to him by 180 botanists of No. America. For an account of the occasion see the Dec. no. of the Gaz. During the week last in my diary I have poisoned and mounted L. H. Bailey's plants and also named the Geo. plants from R. N. Lambert and during the past week have poisoned, labelled and mounted them. I mounted 81 sheets of the Geo. plants including a new orch. Lambert's friend G. C. Whitfield in Florida. [illegible] [illegible] with me at Faxon's this p.m. & took tea with us

A list of plants collected in and near Marietta Georgia in May & June 1885 by R. N. Lanabee, including some collected in the same locality and in Volusia & St. Johns Cos. Florida within the same time, by G. C. Whitlock. Those plants marked with a cross are from Fla. Those marked thus x were collected in Georgia by G. C. Whitlock. Those underscored came from Kennesaw Mt. A few plants were collected at Way Cross Ga. These plants are all in my Herbarium –

x Asimina pygmaea Dunal. ? Way Cross, Ga.
Arabis laevigata, Poir. / Draba verna L. Mar. 29.
Viola cucullata, Ait.
x Ascyrum stans, Mx.
x " amplexicaule, Mx.
x " pumilum, Mx.
Silene Virginica, L.
x Linum Virginianum, L.
Oxalis violacea, L.
Rhus toxicodendron, L.
x Polygala incarnata, L.
Trifolium procumbens, L.
Robinia viscosa, Vent.
Tephrosia Virginiana, Pers.
Stylosanthes elatior, Swartz.
Vicia sativa, L.
x Erythrina herbacea, L.
Schrankia angustata, T. & Gr.
Gillenia trifoliata, Moench.
Crataegus parviflora, Ait.

Hydrangea arborescens, L.
Heuchera Americana, L.
Opuntia vulgaris, Haworth.
" Rafinesquii, Engelm.
X Passiflora incarnata, L.
X Daucus Carota, L.
× Discopleura capillacea, DC.
Chaerophyllum procumbens, Crantz.
Viburnum acerifolium, L.
Galium circaezans, Mx.
Houstonia purpurea, L.
" " near var. longifolia, Gray.
" " var. ciliolata, Gray.
× Aster reticulatus, Pursh.
× Erigeron strigosus, Muhl.
× Berlandiera tomentosa, Nutt.
Coreopsis senifolia, Mx.
Senecio aureus, L. var. Balsamitae, Tor. & Gray.
× Cnicus horridulus, Pursh.
Krigia Virginica, Willd.
Hieracium ~~venosum~~, L. Marianum, Willd.
Vaccinium stamineum, L.
Epigaea repens, L.
× Andromeda ferruginea, Walt.
Rhododendron nudiflorum, Torr. (also near Marietta
" calendulaceum, Torr.
Styrax Americana, L.
Verbascum Blattaria, L.
Pentstemon pubescens, Solander.
× Herpestis Monniera, HBK.
× Calophanes oblongifolia, Don.
× Ruellia ciliosa, Pursh var. hybrida, Gray. (also near Marietta [illegible]

x Verbena Caroliniana, Mx.
x Lantana Camara, L.
Salvia urticifolia, L.
" lyrata, L.
Scutellaria pilosa, Mx.
Symphytum officinale, L.
Phlox ovata, L.
x " pilosa, L. (also, of R.N.L.)
Convolvulus spithamaeus, L.
x Solanum Carolinense, L. Way Cross, Ga.
x Datura Tatula, L.
x Vinca rosea, L.
Asclepias variegata, L.
x Asarum arifolium, Mx.
Polygonum Convolvulus, L.
x Rumex Engelmanni, Ledeb.
x Saururus cernuus, L.
Euphorbia mercurialina, Mx.
Castanea pumila, Mx.
Trillium stylosum, Nutt.
Sisyrinchium Bermudiana, L.
Cypripedium parviflorum, Salisb.
Amianthium muscaetoxicum, Gray.
x Pontederia cordata, L.
Aspidium acrostichoides, Swartz.

A List of plants sent me by C. C. Parry, Dec. 1885.

	Anemone patens, L. var. Nuttalliana Gray -	Minn.	1848.
	Myosurus minimus, L.	Ill.	1848.
x	" aristatus, Benth	Cal.	1875.
	Caltha leptosepala, DC.	Col	1872.
	Trollius laxus, Salisb.	Col.	1872
—	Draba brachycarpa, Nutt.	Fla -	18—
	" nemoralis, Ehrh. (=D. stenoloba, Ledeb.)	Col	1872.
	" alpina, L. var. glacialis Watson.	Wyoming.	1873
	Lepidium dictyotum, Gray	Lo. Cal.	1881
	Talinum teretifolium, Pursh.	Minn.	1848.
	Malvastrum angustum, Gray.	Ill.	1862.
	Psoralea lanceolata, Pursh	Neb.	1862
	" esculenta, Pursh.	Minn.	1848.
	Oxytropis Lamberti, Pursh.	Minn.	1848.
	" multiceps, Nutt.	Col.	1872.
	Lonicera involucrata, Banks	Col.	1864
	Houstonia minima Beck.	Iowa.	1884.
	Valeriana edulis, Nutt.	Iowa.	1847
	Aster sericeus, Vent.	Iowa.	1847
	Erigeron acris, L.	Col.	1864.
	Actinella scaposa, Nutt.	Texas	1852.
	Pterospora andromedea, Nutt.	Col.	1872.
	Primula angustifolia, Torr.	Col.	1872.
	" Parryi, Gray.	Col.	1872.
X	" suffrutescens. Gray.	Cal.	1874.

Coll. C.C. Parry - except those marked X, by J. G. Lemmon, and one marked — by A. H. Curtiss.

— 1885 —
Cambridge, Mass.
— Dec. 28th —

This A.M. Messrs. C. R. Barnes, L. H. Bailey jr. & myself went out to Milton and spent the afternoon and evening with Mr. G. G. Kennedy who occupies a fine residence at the foot of Blue Hill. We went to the top of the Hill and enjoyed a very fine view from the summit. The wind was blowing quite hard. We returned home by 11-30 P.M.

Juniperus Virginiana L.
We collected specimens of the Red Cedar in fruit on the side of Blue Hill.

Selaginella rupestris, Spring.
Summit of Blue Hill.

— 1886 —

— Cambridge, Mass. —

— Mar. 27 —

Prof C. R. Barnes and I went out to Milton this noon and spent the rest of the day with Mr. G. G. Kennedy. We took a tramp in the P.M. across the Blue Hills Turnpike ~~to~~ [illegible] Road and returned over Blue Hill visiting the Observatory. We found many Mosses & Lichens in fine fruit. We had a delightful evening in Mr Kennedy's study and returned home on the 10-16 train N.Y. & N.E. Road reaching the house by 11.45 p.m.

Gerardia quercifolia, Pursh. }
" pedicularia, L. }
(Old) fruit capsules - woods. Blue Hill
Milton -

174

— 1886 —

- Apr. 17 -

— Cambridge, Mass.

This P.M. I took the 2.50 train on Lowell Road and got out at Somerville Centre. Then following the directions of Mr. Hitchings whom I met ~~[illegible]~~ at the Horticultural Rooms I went along the track some 20 rods and found on both sides the Tussilago Farfara in full flower. I was delighted to see this plant for the first time in flower. My lunch box served me for a vasculum and with a stick for a trowell I secured as many specimens as I wanted. From there I walked home. At the Hort. Rooms I met and had a very pleasant talk with Mr. M. L. Owen.

Tussilago Farfara, L.

Somerville Centre - (railway) cutting
Two patches only seen -

1886

— Apr. 25 —
Washington D.C.

I left Boston yesterday with Mr. C. G. Kennedy and his son Hal, at 6.30 P.M. by the N. Y. & N. E. R. R. to Washington D.C. Sleeper very comfortable. Lunch at 9 P.M. Slept fairly well. Daylight when we reached the Ferry at Jersey City. Sky cloudy. Sun came out before noon. Stopped some 20 min. for breakfast at Phila. Reached Washington at 10.45 A.M. at the Baltimore and Potomac Station where Garfield was shot. A white marble star set into the floor in the ladies waiting room marks the spot. Took a bus to the "Arlington" where we secured a large room with 3 beds. After dinner we walked to R. I. Ave and called on Prof. S. F. Baird. He was not in. Then called on Mr. H. W. Henshaw. Found him at home. Mr. K. & Hal soon returned to make more calls while Mr. H. took me to drive as far as the Soldiers' Home. Country looking fresh. Cercis, Sassafras & Cornus florida in full bloom. Oaks in profusion in flower. Returned to the Hotel in time for supper. In the evening Mr. H. called and we all went to Prof. Baird's where we made a most delightful call. I am very glad to have met Prof. Baird. He is a most charming man. He walked back with us to our room and sat with us for some time

Draba verna, L.
[illegible] Tridina, Gay } I collected these plants in D. C. outside of Washington - Grassy field. very abundant -

Ludwigia alternifolia [illegible]

— 1886 —

— Apr. 26 —

Washington, D.C.

Sound sleep last night. Soon after breakfast we all went to Mr. Henshaw's office as we agreed the night before. Met Dr. Merriam. Fine maps on the wall. Mr. H. took us to the Smithsonian Inst. & National Museum. Indescribable wonders — Casts of Snakes — Stuffed cranes by Hornaday. Fur Seals from Pribilof Isls. Zuni Village &c &c. Met Prof. Ward & Mr. Knowlton. Looked over the Herbarium & Fossil Plants. Mr. K. left us here. Left at 12 M. and went to the Capitol where we first lunched. Visited the two Houses and Supreme Court. Full Bench. Ascended the Dome. View superb. Returned by Pennsylvania Ave. Bought some Photos. Visited the Cyclorama (2nd Bull Run), and the Monument (555 ft high). Returned to the Hotel through the White House grounds where the children were celebrating Easter Monday, rolling eggs. In the evening I called on Prof. Ward and passed a pleasant 2-3 hrs. with him. He gave me a number of autograph letters. Mr. Ward came in and we had a pleasant chat. Reached the Hotel by 11 P.M. pretty tired. Found Mr. R. & Hal retired. The weather has been cool and cloudy to-day. Just weather for walking and sight-seeing.

1886

Apr. 27

Natural Bridge Va.

Left Washington this A.M. at 7-15 at the B.&P. Station by the Va. & Midland R.R. Crossed Long Bridge into Va. Made the acquaintance of a Confederate officer who pointed out localities as we passed Bull Run & Manassas Junction. Went through Warrenton Junction, crossed the Rappahannock & Rapidan Rivers, passed by Culpepper Co. House and other places of interest in the Civil War. Blue Ridge on the West. Vegetation well advanced. Cornus florida, Sassafras & Cercis in full bloom and Red bud prominent features in the landscape. Reached Lynchburg on the James River by 1.50 P.M. 30 min. for dinner. Took the train on the Richmond and Alleghany R.R. at 2-20 P.M. and had a beautiful ride up the valley of the James till 3-45 P.M. when we reached Natural Bridge Station. From there a stage connects with the Hotel 2½ m. distant. Mr. K. & I walked and botanized on the way. Found many new things. Saw an enormous Gum Tree (Liquidambar). Pinus inops abundant also Sycamore & Juniper-Red Cedar. Got good rooms at the Hotel. Spent the evening laying out plants in press. Weather fine all day. Slightly cloudy.

Asimina triloba, Dunal
Viola tricolor, L., var. tricolor, Ging
Stellaria pubera, Mx.
Rhus aromatica, Ait.
Mitella diphylla, L. Sedum ternatum, Mx.
Celtis occidentalis, L
Morus rubra, L. Tree some 15 ft high
Juglans cinerea, L. Tree.
Quercus Muhlenbergii. Engelm. Tree 3 ft in diameter, bark rough.
Pinus inops Ait. abundant.
Roadside between Nat Bridge Station & Hotel.

Pellaea atropurpurea, Link.
Camptosorus rhizophyllus. Link.
Shady woods on rocks – Same locality.

Muscari botryoides, Mill.
Open grassy field near the Station – at Rapidan, Va.

× Sedum ternatum, Mx
Roadside. Natural Bridge abundant.

— 1886 —

~~April~~ 28 —

— Natural Bridge, Va. —

Sound sleep last night. Woke early to hear the rain coming down in torrents. After breakfast, the rain held up and we put on our rubber coats and went into the woods behind the hotel and soon filled our boxes with plants which it took us till dinner-time to arrange. In the P.M. we put on some heavy boots purchased at the store and went round the hill past some enormous Red Cedars (Thuja occ.) vide Tor. Bull. vol. XIII, No 5: page 70-) to Cedar Creek and the Bridge. Impressive and wonderful— Height 215 ft. from bed of brook to top of bridge. The view here looks down stream. The valley of Cedar Creek is rich in its flora and we got many things new and interesting to us. Went up as far as Salt Petre Cave and Lost River. Spent the evening arranging our plants. It has not rained all day though the weather has been very threatening. Heard from home to-day for the first time— All well. The Hotel is not well kept, though we get along very well. Situation good.

BILLSTEIN & SON, PHILA.

Arabis laevigata, Poir
Rich woods abundant (Cedar Creek.
Draba ramosissima, Desv
On Rocks - abundant - Cedar Creek.
Viola Canadensis, L.
" cucullata, Ait. var. palmata, Gr. (
Rich woods, abundant.)
" cucullata, Ait. var. cordata Gr.
Hillside, in shade - abundant.
Silene Virginica, L.
Wooded hillside - abundant
Staphylea trifolia, L.
Rich slope - Cedar Creek.
Rhus aromatica, Ait. [illegible]
Vicia Caroliniana, Walter)
Ionidium concolor, Benth. & Hook.
Moist ground. Cedar Creek.
Claytonia Virginica. L.
Open Hillside.
Viburnum prunifolium L.
Hillside. abundant.
Erigeron bellidifolius, Muhl.
Wooded hill side.
Cynoglossum Virginicum, L. Deep woods. Cedar Creek - abundant.
Vaccinium stamineum L. } wooded hill -
Rhododendron nudiflorum, Torr. } abundant.
Nepeta Glechoma, Benth. Damp shaded slope.
Phlox divaricata, L. } shaded hillside
Lithospermum canescens, Lehm } abundant -
Asarum Virginicum, L. (
" Canadense, L. (Rich woods - Cedar Creek.
Trillium grandiflorum. Salisb.) abundant.
[illegible] L. var. Torr. & Gray. [illegible] shady [illegible]

Pellaea atropurpurea Link
(Camptosorus rhizophyllus, Link.)
On rocks. Cedar Creek
abundant.

Carex platyphylla, Carey
" Careyana Torr }
" torta Boott }
Damp woods. Cedar Creek

Carex [illegible]
wet bank. Cedar Creek.

— 1886 —

— Apr. 29 —

— Natural Bridge Va. —

Sound sleep last night. Day cool and pleasant cloudy in the A.M. clear in the P.M. After ~~the~~ breakfast we went on to the bridge and visited Pulpit Rock - Scene grand - Then went in under the bridge and botanized in Cedar Creek. Made a good collection of plants. In the P.M. visited the creek and botanized again - Were busy in the evening with our plants -

Jeffersonia diphylla, Person.
J.M. Rich woods Cedar Creek.

Barbarea praecox, R.Br. } wooded hill side
Viola cucullata Ait. var. palmata. Gr.
Dentaria laciniata, Muhl.
Stellaria pubera, Mx.
Cercis Canadensis, L.
Hydrangea arborescens, L.
Phlox divaricata, L. saw one tree.
Ulmus racemosa, Thos
Uvularia perfoliata, L.
Rich woods Cedar Creek.

Luzula campestris, DC.
Shady hill-side - abundant

Pellaea atropurpurea, Link.
Asplenium Ruta-muraria, L.
On rocks - Cedar Creek - The latter grows in clefts chiefly, under the bridge.

— 1886 —

Apr. 30

Luray, Va.

This A.M. we went to Cedar Creek and botanized again and filled our boxes with fresh plants and roots to take home. I got this A.M. a number of Carices. We got home in time to arrange our plants and pack. We left at a little after noon and took the train at the Nat. Bridge Station on the Shenandoah Valley R.R. for Luray. We had a very pleasant ride up through the valley and reached Luray a little before dark. Stopped at the Luray Inn. After supper, a party of 7 including ourselves took a coach and went to Luray Cave, 1¼ m. distant. It was a most novel and wonderful experience. We walked 2½ m. in the Cave which was lighted by electricity. The men in the party carried tin reflectors with 2 candles. The Cave was rich in Stalactites and Stalagmites. Reached the Hotel by 11 o'clock, pretty well tired out. It has been cloudy today, but not enough to obstruct the view.

Podophyllum peltatum, L. Open ground. } Cedar Creek, Nat. Bridge Va.
Viola rostrata, Muhl. Open rich woods.
Vitis vulpina, L. woods.
Uvularia perfoliata, L. rich woods.
Carex laxiflora, Lam. var. patulifolia. Carey. } Damp woods. Cedar Creek.
" platyphylla, Carey.
" Pennsylvanica, Lam.

– 1886 –

– May 2 –

– Cambridge, Mass. –

We left Luray yesterday A.M. at 7-22 and had a glorious ride up through the Valley. I made an acquaintance on the train who lives in Luray and was in this region during the war. He told me much of interest during our ride. On our East lay the Blue Ridge, on our left Massanutten & Fort Mts. separated by New Market Gap through which Stonewall Jackson marched when he outflanked (Banks). For miles we ran along the east bank of the South Fork of the Shenandoah and finally it united with the No Fork and the Valley broadened out. The Shenandoah Valley proper is between the Massanutten & Fort Mts and the Allegheny Mts. We passed over the Potomac and through Chambersburg and Carlisle to Harrisburg. Then to Phila. There stop for supper. Pullman car to Jersey City Ferry to New York. Coach across the city to Grand Central Depot. 11:35 train to Boston by the N.Y. & N.E. R.R. Reached Boston by about 8 A.M. today. Mr. K & Hal got off at Readville. I took a carriage to Cambridge and arrived safely and found a warm welcome. Changed the blotters of my plants this A.M. Plants in good condition. The trip has been a great success.

— 1886 —

- May 17 -
Cambridge, Mass

This P.M. I took the 3.43 P.M. from the Fitchburg Station, met [illegible] in Cambridge and went to Waverly where we spent a couple of hours in the fields collecting. It was a very bright, clear afternoon and everything was in its freshest green. We returned to Cambridge by the 5.55 train.

Arisaema triphyllum, Tor.
Osmunda Claytoniana L.
Damp slope by R.R. track, Belmont.
Carex Pennsylvanica Lam.
Moist woods, Belmont, abundant.

- May 20 -
~ Cambridge, Mass ~

Took the 2.50 P.M. from the Lowell Depot for Somerville Centre. From there walked down the track to the Tussilago and then home through Somerville, stopping at the Bot. Garden -

Tussilago Farfara, L.
Fruit & leaves. Railway cutting - Somerville Centre
Sisyrinchium Bermudianum L.
Sandy ground - moist - Somerville -

— 1886 —

— May 22 —

Cambridge / Mass.

This P.M. I dined with H. A. Purdie and then went to the Horticultural Rooms where there was a fine exhibit of wild flowers by Mrs Richards and Mr. Hitchins. Barnes met us and we all took the train to Riverside and went up Charles River in a boat, landing occasionally to botanize. We went some two miles up stream. The views were very beautiful. We returned in time to take the 6.39 train for Newton where we took the horse car reaching home by 8 P.M.

Cornus alba, L.
Bank of Chas River - Newton -
" tricolor Willd.
Bank of Chas River, Newton
Osmunda cinnamomea, L.
Bank of Chas River, Newton

— 1886 —
— May 23 —
— Cambridge, Mass.

This A.M. I went over to Brighton and from there walked over to Chestnut Hill to Mr. Geo. Lee's to visit his son George. I was very hospitably entertained at the house. Lee, Dupee & I took a walk to Hammond's Pond and back before dinner. We were in the woods most of the time. The three common Vacciniums (Penn. vacill. & corymb.) were in flower and very abundant. After dinner Lee drove me home. Dupee & Miss Lee came with us. The day has been extremely hot.

Quercus ilicifolia. Wang.
Pirus arbutifolia L. var. melanocarpa. Hook
Osmunda cinnamomea. L.
Woods. Chestnut Hill Newton

— May 24 —
— Cambridge, Mass —

This P.M. I took the 2-50 P.M. from the Lowell Depot and visited the Tussilago Station which I visited last May 20th. From there I walked home, stopping at the Garden.

Tussilago Farfara. L.
Somerville. Mass. I succeeded in getting, out of the clayey soil, leaving specimens attached to the flowering plants.

~ 1886 ~

~ May 30 ~

~ Cambridge, Mass. ~

This A.M. I took the train at the Camb. Station that left Boston from the Fitchburg Depot at 9-15. Met Mr. Churchill on the train. Went to So. Acton. Met B. R. [illegible] under whose guidance we spent the day tramping in Stowe swamp and in So. Acton round Great Hill. We lunched at the same spring as on last June 27. A light thunder storm in the P.M. was welcome. The day has been very warm. Returned by the 6:33 train –

Thaspium aureum, Nutt.
Roadside. So. Acton

Osmunda regalis, L. }
" cinnamomea, L. } ← So. Acton & Stow swamp
Roadside, So. Acton

Calla palustris, L.
Swamp So. Acton

Cypripedium pubescens, Willd.
Swamp. Stow.

[illegible] [illegible], [illegible]
Open field, So. Acton curse to farmers.

Menyanthes trifoliata, L. }
Castilleia coccinea, Spreng. }
Swamp, So. Acton, [illegible]

" Carex vestita, Willd. { Fide L.H. Bailey in from
" " virescens. } var. alpicola almost } similar specimens sent him growing with these
So. Acton. boggy ground –
" gracillima, Schw. Stowe Swamp –
" pallescens, L. Rocky wall – So. Acton –

1886
June 4
Cambridge. Mass

This P.M. I went up to Fresh Pond and collected some 20 specimens of Carex conoidea & stricta for L. H. Bailey, jr. He is going to issue a set of Carices in the fall. I found C. filiformis in great abundance at the [illegible] of Fresh Pond Lane in the swamp on the left. Near it is C. conoidea in abundance.
Veronica serpyllifolia L.

I put in press a few fruiting specimens of this plant. The [illegible]

Carex conoidea Schk!
" stricta Lam.} Fide L.H. Bailey jr. in similar specimens
~~C. aquatilis, Boott~~
Sent him growing with these
Low ground, by Fresh Pond

— 1886 —

— June 5 —

— Cambridge - Mass. —

This P.M. Barnes & I took the 1.15 train from the Providence Depot for Readville. Met Mr E.S. Kennedy. Went to the house. After dinner, took a long drive to York Pond which lies between Canton & Stoughton. Weather clear and cool. Reached the house by about 7 P.M. After a pleasant evening took the 10.40 train for Boston. Reached home 11.45 p.m.

[illegible] [illegible] [illegible].

Border of swamp, Canton and border of York Pond, Canton.

Viola sagittata, Ait.

Woods - Border of York Pond, Canton.

Carex digitalis, Willd.

Damp wood by York Pond, Canton.

″ canescens, L.

Swamp, Canton. } Fide L.H. Bailey is form similar [illegible] [illegible] (with these)

″ pumila,

Dry field Milton - close by Mr E.S. Kennedy's house, very abundant

— 1886 —
— June 12 —
— Newburyport Mass. —

This P.M. Mrs. Deane & I came down here with Mr. B. F. Legate to pass Sunday with him and his wife. In the P.M. we took a drive along the Merrimac River over the old chain bridge into Salisbury. The scenery was very beautiful Fine weather. Played whist in the evening –

Euphorbia Esula, L.
Near the river - Salisbury. Large patch. I found this afterward just outside the city in great abundance. A handsome plant. –

Smilax rotundifolia, L.
Roadside, Newburyport. ♂ flowers –

Carex filiformis, L. Fide L.H. Bailey is from similar spec sent him growing with this.
Border of salt marsh. Newburyport. Growing with Triglochin –

— 1886 —

June 13 —

Newburyport, Mass —

It has rained all day steadily. Went to church this A.M. In the P.M. Mr. Sewall and I took a walk of some 4 m. in the rain to the salt marsh by the river just beyond Joppa. The Lathyrus maritimus was growing profusely and was very handsome in full flower.

Archangelica Gmelini, DC.

Among rocks by the salt-marsh.

Glaux maritima, L.

Salt marsh. Growing abundantly in full flower with Glyceria maritima, Plantago decipiens, and other salt marsh plants.

— 1886 —
— June 16 —
— Cambridge, Mass —

I took the 3.40 P.M. train from the N.Y. & N.E. Depot with Mr [illegible]. We got out at Dorchester and botanized along the track and adjoining swamps & woods as far as the station at Mattapan and a little beyond. Returned by train to the Bird Street Station and took tea with Mr. & Mrs. C. Returned home by the Dorchester Ave. Horse Cars, reaching the house by 11.10 P.M. —

Stellaria graminea, L.

Abundant in grass by the track - Dorchester.

Osmunda regalis, L.

By the R.R. Track, Dorchester. Very abundant.

Fragaria vesca. L.

Found several specimens in sandy soil by the R.R. track Mattapan (Dorchester)

Utricularia vulgaris, L. }
Hottonia inflata, L. }

Muddy pond by the R.R. track Mattapan (Dorchester) The latter formed a thick mat on the surface of the water.

Vitis aestivalis, Mx. = V. Lincecumii, Buckley -

Damp wood - Mattapan (Dorchester)

Symplocarpus foetidus, Salisb.

Fruit. Field, Mattapan (Dorchester)

Carex muricata, L. { Fide L.H. Bailey jr. from similar specimens sent him growing with these.

Grassy bank by R.R. track at Dorchester.

Medicago lupulina, L. R.R. Bank. " Fruit.

Carex bullata Boott Rocky slope, woods - Mattapan (Dorchester). Fide L.H. Bailey; from similar specimens I sent him 91 -
" " " Bank by the R.R. track, " "

– 1886 –

– June 15 –

– Cambridge, Mass. –

This P.M. I went up to Fresh Pond near the flower beds to find Carex vulgaris for Bailey, but I did not succeed in finding any specimen [illegible] [illegible] [illegible] –

Typha latifolia, L. Swamp by Fresh Pond Lane.
Staminate flowers in good condition.

Carex stipata, Muhl.
Wet ground –

– June 20 –

– Cambridge – Mass. –

This P.M. I took a walk with Arthur Chamberlain along the salt-marsh on Chas. River from the Hospital to the Brothers in Winchester Place & came home by road –

Artemisia Stelleriana, Bess.
A good find. This interesting plant is growing in considerable quantities on the edge of the marsh back of Winchester Place – I think it has not been reported from any locality in this country except [illegible] & Nahant Beach.

Archangelica atropurpurea, Hoffm.
Abundant in wet ground back of Winchester Place –!

— 1886 —

- June 27 -

Cambridge, Mass

This A.M. I went to the swamp by the Cambridge Reservoir and got some Carex lenticulata for Bailey.

Rosa lucida Ehrh.

Abundant by the edge of a ditch in damp ground.

Cambridge, Mass

- June 28 -

J. R. Churchill sent me this A.M. for Bailey Carex muricata, adusta & stricta from Dorchester. I have put them all in press -

— 1886 —

— July 3 —

— Concord Mass. —

We came here yesterday P.M. to pass a week with Mr & Mrs Wm. Brewster. We are staying at the Old Manse. Drove about before tea and saw many objects of interest, the graves of Emerson, Thoreau & Hawthorne, the homes of Miss Alcott, & Emerson, went into the latter's study, visited the old battle ground and saw the Minute-man. Hawthorne lived in the Old Manse three years and in the study where I am writing he wrote "Mosses from an old Manse." To-day has been intolerably hot. This A.M. we drove about somewhat sightseeing and visited the Library where I saw the handwriting of John Brown. This P.M. Will & I drove out on the Lexington Road to find Cassia Marilandica which we had been directed to. Found it in abundance but not yet in flower. The Roses are out in great profusion and they vary much in appearance. I shall press a number of specimens and show them to Mr. Watson. This evening we took a short row on the river. Saw abundance of Marsilea quadrifolia also a clump of Iris Pseudacorus introduced. Day extremely hot.

Rosa , Lexington ~~Concord~~ turnpike. climbing, 10 ft high

Chelidonium majus. L. Fruit - Waste ground -

Rosa rubiginosa, L. - Dry hillside.

The river bank is lined with Phalaris arundinacea

It is frequently 6 ft. high. After supper we rowed on the river.

—1886—

—July 4—

—Concord, Mass.—

Clear and hot. I strolled into the woods near by before breakfast and went down to the river bank. The wild roses are out in great profusion and I make out of them two species Rosa lucida & humilis. I have seen several plants of R. rubiginosa, but it is now past flower. During the A.M. Will & I walked over to Caesar's woods less than a mile from here. Near by a large tract of level land, low and peaty was filled with Thalictrum Cornuti, I never saw so much before. Since I have been here I have seen several such fields. The woods were full of Quercus alba, tinctoria, & rubra. The Osmundas were abundant, especially O. cinnamomea. In the P.M. we went out on the river and paddled about before supper.

Rosa humilis, Marsh. ([illegible])

Dry ground. roadside, 2-3° high.

Rosa lucida, Ehrh. ([illegible])

Bank of Concord River. 2-3° high.

Rosa rubiginosa, L. ([illegible])

Young shoot and fruit. Open ground.

Osmunda cinnamomea, L. Woods.

Thalictrum Cornuti, L. Low ground.

Nymphaea odorata, Ait.

Concord River. I raked up the rootstock.

Phalaris arundinacea, L.

Bank of Concord River. Very abundant.

1886

July 5

Concord, Mass.

An intensely hot day. Stayed about the house till the latter part of the P.M. when we (Will, M. & I) rowed up the river for an hour or so. Saw some fine hemlocks and black willows. River choked in places with aquatic plants from bank to bank. Pickerel weed lines the river bank everywhere. The white water lily is equally abundant. Plenty of Nuphar advena.
Fireworks in the evening.

July 6

Concord, Mass.

An intensely hot day. Breeze in the P.M. In the A.M. W. & I took a drive through the northern part of the town. Crossed the river over Flint-Bridge. Vicia Cracca very abundant in the town. Ceanothus abundant by the road side. Saw some fine elms. Hitched the horse at one place and went into the woods, W. for a bird. In the P.M. we sailed down the river some distance. Scenery very beautiful. Marsilia quadrifolia lines the banks for miles. Leaves of the young plants entirely out of water. Zizania aquatica abundant. Saw some fine specimens of Acer dasycarpum. Landed and went to a spring. Arranged plants in the evening and sat in the Pine Parlor, under the pines by the house.

Rosa Carolina, L. ([illegible])
3 ft high. Swampy ground -

Ceanothus Americanus, L
Roadside -

Trapa natans.
In flower - Concord River.

Fraxinus pubescens, Lam -
Fruiting specimens - Banks of Concord River - A common tree in Concord -

Carex flava, L.
Low, open field -

Panicum dichotomum, L.
Low, open field -

- July 7 -
- Concord Mass. -

Another intensely hot day. This A.M. W. & I took a long drive through the southern part of Concord over Nine Acre Corner & Lees Bridges and then to Lincoln. Chestnuts in full bloom. Trees laden with cherries in cultivated fields. Passed Sandy Pond. After dinner we sailed down the river with a very unsteady breeze to Balls Hill whence a charming view of the river and Great Meadows is obtained. River full of small turtles and some huge ones - Nanemys guttatus. Chrysemys picta, Chelydra serpentina. W. shot 2 swifts on the wing with his collecting pistol.

Principal trees on the banks of the river -
Acer dasycarpum & rubrum. Fraxinus pubescens
Ulmus Americana - Platanus occidentalis.
Quercus bicolor, Ilex verticillata, Salix nigra,
Cephalanthus occidentalis. Cornus sericea -
Alnus, Quercus alba, Betula alba, var.
populifolia, Nyssa multiflora.
We rowed home -

Castanea vesca, L.
Woody road -

Carex bullata, Schk.
" Buxbaumii, Wahl.
" filiformis. L. var. latifolia, Boeck.
Low ground by the river, Balls hill.
The C. filiformis is a singular plant,
One of the fertile spikes has a crop of 5
short sessile spikes growing from its base
and in another spike, a perigynium is
growing directly from the top of another perigynium.

Panicum dichotomum, L.
Low ground by the river.

- 1886 -
- July 8 -
Concord, Mass.

Slightly warmer than the past few days. This A.M., W. & I stayed about the house. I worked over my plants and did a little pressing. At noon I took a walk over Poplar Hill through some pretty swampy land and thence by the track of the Lowell R.R. I returned by that to the main road and came home. In the P.M. W. & I took a long drive into Bedford and across Carlisle Bridge. Saw some fine specimens of Rosa setinosa. On reaching home we took the boat and sailed up river to Mr. Edw. Hoar's and made a very pleasant call on him. Spent the evening packing as to-morrow we go to a boarding house -

Lemna polyrrhiza, L.
Muddy pool - woods behind Poplar Hill
Rosa lucida, nitida, Willd. (fine bushes [illegible])
Border of ditch by the Lowell R.R.
Utricularia inflata, Walt. }
" vulgaris, L. }
Concord River, by Egg Rock -

— 1886 —

– July 7 –

Concord, Mass.

This A.M. I went to Cambridge to see Prof. Barnes before he leaves. He, to Va. next Tues. and does not return. I have enjoyed his acquaintance more than I can express and I shall him very, very much. I saw him at the Laboratory in Harvard Hall. I also saw at the Botanic Garden, Dr. Gray & Mr. Watson with whom I had a pleasant talk. The Dr. is working now on the Synoptical Flora. Saw Profs. Goodale & [illegible] — [illegible] my mother's. Returned to Concord by the Fitchburg R.R. leaving here, [illegible] home at Mrs. Brown's by 5.45. Went to the Old Manse for a short time in the evening.

Arctium Lappa L. var. tomentosa, Gray.

" " Found this plant growing in great abundance on the Rubbish Heap as I was crossing it this noon. Cambridge.

Weather to-day clear and cool

July 10
Concord, Mass

This A.M. Mr & Mrs. B. & my wife having gone to Cambridge I took W's dory and spent some 2 or 3 hrs. on the river, paddling along the banks and watching the aquatic plants. The Water Lilies were in full bloom and they made a white fringe on either side of the stream. I went as far as Mr. Edw. Hoar's where I moored the boat and went up to his house but I did not find him in. His wife entertained for some time telling me about Thoreau whom she knew all his life. Returned to the boathouse and gathered a few lilies. This P.M. I went to the Library and looked at Thoreau's Herbarium. It is contained in 6 large folios. Several orders are in one thin white cover and the genus covers are also thin white paper, very large, but the specimens are no larger [as a rule] than would go on the typical mounting paper. The specimens are put on with slips pasted over them and are very indifferent specimens, the roots being almost always neglected. I looked through 3 folios and found them consisting largely of what I presume are the common Concord Plants. But in

almost every case no locality is mentioned. The name of the plant is written on the sheet with pencil [illegible] are [illegible] index which it was found –
From the [illegible] (and [illegible] —

Trifolium hybridum, L.
Open field by the river.
Viola cucullata, Ait. var. palmata, Gray.
Arenaria ~~lat~~ lateriflora L.
Woods by the river.
Utricularia inflata, Walt.
Concord River by Egg Rock.

– July 11 –
— Concord – Mass. —

– Weather clear and cool –

This A.M. took the 10.20 train for Concord Junction to see if Mr. Joyce would spend the day with me in the woods. Luckily he was at the station on his way to S. Acton to spend the day roaming about. So we went together. Went to Grassy Pond and ate dinner under a tree near a farm-house. Tramped through the bog by the pond. It resembles in every respect Wheeler's Bog in Shelburne N.H. and has the same flora. From there we went on some distance to the top of a hill whence we could see Fort Pond and found it a beautiful piece of water. Mr. J. was much pleased to find there a [illegible] not seen by him before in Acton. The [illegible] red Cherry (Prunus Pennsylvanica) - We returned to the Station at So. Acton for the 6.42 P.M. train. Walked from 6 to 7 miles.

Lobelia spicata. Lam.
Veronica officinalis. L. }
Dry wayside. Abundant. Latter in fruit.

Silene noctiflora. L.
Roadside. Exactly the same spot as the specimens collected by me June 27. 1885. Good specimens!

Kalmia glauca. Ait.
Andromeda polifolia. L.
Menyanthes trifoliata. L. }
Boggy Grass Pond.

Polygala polygama. Walter.
Dry hill, in short grass.
All these plants are from Acton.

July 12.
Concord - Mass.

Weather clear and cool. This A.M. I went down to Boston to meet Mr. Morong and botanize with him at Mystic Pond. Failing to meet him I returned to Concord, going on to the Junction, to see if Mr. Joyce was at leisure. He was busy. So I returned to Concord in time for dinner having wasted the whole morning in waiting and riding in the cars. This P.M. I took M. out to row in [illegible]. We went up the river some distance above the Fitchburg R.R. bridge. The scenery is very beautiful. A strong breeze was blowing which made it rather hard rowing. We returned in time for supper.

Nuphar ~~advena~~ Kalmiana, Pursh. (Hitherto mis[illegible]) ~~pumilum~~ Smith. ~~[illegible]~~

Very abundant above the Fitchburg R.R. bridge.

Utricularia inflata, Walt.
" purpurea, Walt.
Concord River above " "

The U. inflata at the above mentioned place is very abundant. Saw occasional plants all along its course. Of the U. purpurea, I saw and collected some half a dozen specimens.

- Jul. 13 -
- Concord, Mass -

Day clear and cool in the shade. Cool breeze. This A.M. C.O. & I drove up to Easterbrook's woods some 3 miles distant and spent the morning walking about, botanizing. The woods are extensive and interspersed with bogs. Saw Betula lenta & lutea. Examined carefully the roses and think I have R. humilis. Shall verify it later. Met the carriage at 12.30 and returned to dinner. Spent the P.M. in going over my plants and writing my diary. The prevailing oak here is the Black Oak (Q. tinctoria). Its rusty leaves give it a striking appearance. Q. alba & bicolor are

very abundant – [illegible] [illegible] is [illegible] but
not so than the above-mentioned. This [illegible]

Castanea vesca, L. called so for Hoar and [illegible] [illegible] the [illegible] [illegible] the bs.

Hill side –

Rosa Carolina, L. (Vide Sereno Watson)

Low ground – 6 ft. high –

Rosa humilis, Marsh. (Vide Sereno Watson)

Dry hill side. 2 to 3 ft. high

Rubus Canadensis, L.

– Fruit – Dry hill side –

Lobelia spicata, Lam.

Dry field –

Rhus glabra. L.

Open pasture – The prevailing Sumach here and very abundant – Have seen no other.

Geum strictum, Ait.

Swamp – now dry –

Carex Buxbaumii, Wahl.

Peat bog –

All these plants from Easterbrook's woods.

– July 14 –

– Concord, Mass. –

– Weather cloudy, threatening, breezy, cool – This A.M. Mr. Edw Hoar – Dan French – Mr. [illegible] & I went up the river to Lee's Cliffs for the day. – Started at 9 A.M. I went in Mr. Hoar's boat with him – The others went in his boat. It was a most delightful row up the river – Scenery beautiful. Mr. H. pointed out 2 Hackberries (Celtis occid.

the only ones in Concord. Juncus militaris was very abundant along the river bank in about a foot of water. It is a striking & handsome plant. We stopped at Martha's Point to hunt for [illegible] [illegible] Asclepias [illegible] & Potentilla arguta all of which Mr. Hoar has often collected before. The place now is rather a resort for picnics and we only found one specimen of the P. arguta. At this place grows the only [illegible] [illegible] in Concord. We sailed through Fairhaven Bay, & [illegible] [illegible] in the river below Fairhaven Cliffs & Baker Farm to Lee's Cliffs in Conantum where we landed and took our dinner listening to Mr. Hoar's notes on Thoreau and on his own experiences in Sicily. Mr Hoar was very intimate with Thoreau from boyhood and went through the Maine woods with him & to Mt. Washington. At Lee's Cliffs we visited the Slippery Elm, the only known locality about here for the Ulmus fulva. On our return, we sailed a good part of the way back with a very fair breeze. Mr. H. told me that 3 weeks ago he saw one of the large turtles rather abundant in the river (Chelydra serpentina) weighing, probably, 40 lbs. come up some 150 yds into his garden, select a piece of ground in an oat-patch, scratch there for a few minutes, abandon it, select another near by, dig a hole some 6 in. deep and 3 ft. long, deposit a large number of eggs, scratch the dirt over them and crawl back to the water. On reaching Mr. H's place which backs on the river we went

up into his garden and saw the place and dug up a few of the eggs which were white and round and some $\frac{3}{4}$ in. in diameter.
Reached home in time for tea. Spent the evening in arranging my day's work in press.

Juncus militaris, Bigel.
River bank in a foot of water, in flower, abundant — a conspicuous plant.

Gratiola aurea, Muhl.
Eleocharis tenuis, Schultes.
Potentilla palustris, Scop.
Poa serotina Ehrh. [illegible]
~~Ilex verticillata, B.H.~~
Panicum dichotomum, L.
Drosera intermedia, Hed. & Hayne var. Americana, [illegible]
Wet, boggy ground by the river

Potentilla arguta, Pursh.
A single, stunted specimen on a large rock by the river at Martha's Point.

Fraxinus sambucifolia, Lam.
Grassy slope at Martha's Point.

Vitis aestivalis, Michx (=V. Lincecumii Buckley) var.
Young shoots from large stock cut close to the ground. Martha's Point.

Vitis aestivalis, Michx. = (=V. Lincecumii, Buckley) Bicknell [illegible] page [illegible]
One specimen, young shoot, one from a large plant, Lee's Cliff. No fruit seen.

Ulmus fulva, Mx
Rocky woods — Lee's cliff.

Arabis perfoliata Lam. Rocky woods — Lee's cliff.
[illegible] ovata, [illegible], [illegible]. [illegible] in one [illegible].
Stachys aspera, Mx. with tangled seeds — [illegible].

— 1886 —

– July 15 –
~ Concord. Mass ~

A rainy day. Stayed in the house this A.M. writing letters. In the P.M. went to Mr. Edw. Hoar's and looked over with him his collection of Cyperaceae including Thoreau's. Thoreau left Mr Hoar his Grasses & Sedges. Mr. Hoar gave me a large photo. of Thoreau, besides some plants. Stayed at home in the evening.

– July 16 –
– Concord – Mass. –

A rainy day. Spent the A.M. in the house writing and reading. In the P.M. went to the Manse and saw W. B. In the evening Dan French and Henry Reardin called.

– July 17 –
Concord. Mass. ~

A delightful day. Not too warm. Chas. W. B., H Rindie & myself started off from the Manse by 9.30 A.M. for a day on the river. W went in his canoe, P. & I in the row boat. We went up the Sudbury River as far as Lee's Cliffs. Did not land there. Lunched at Martha's Point. On our return we passed up to Fairhaven Cliffs and saw there [illegible]

time, enjoying the view which is very beautiful.
We reached home by about 7 P.M.

Potentilla arguta, Pursh—
I found 3 plants at Martha's Point growing in rocky places — Took 2 of them.

Stachys aspera, Mx.
Near the river bank by Fairhaven Cliffs.
Saw several plants.

Rhexia Virginica L.
Open field among grass. damp ground.
Martha's Point.

Aquilegia Canadensis, L.
Dehisced pods — Martha's Point. Rocks

— July 18 —
— Concord, Mass. —

A pleasant day — rather warm — Stayed at home during the day writing, reading & working on my plants. Walked up to the Manse twice during the day — In the P.M. before dark we visited the Old Hill Burying Ground — Saw the grave of John Jack —

— 1886 —
June 17
— Concord. Mass —

Light clouds, cool breezes, an ideal day. At about 10 A.M. Wm Brewster, H. A. Purdie, and I started off with a 2-seated team, a strong, slow, steady horse and Purdie, as the driver. The drive over Nine Acre Corner Bridge into Sudbury. Saw several specimens of Rhus venenata by the roadside. Visited a grove of the finest White Pines I ever saw! They were of the original growth, many of them must have been nearly 100 ft. high and one of them was by measurement 3½ ft. in diameter 3 ft from the ground. There were also very fine White Oaks in the same grove. A brook of clear, cold water flows through the grove. Our chief adventure there was securing the nest, 2 eggs, and 2 young birds of the Sharp-shinned Hawk. I climbed the Pine Tree in which the nest was, some 45 ft. Lunched in the pines. On our return, saw a quail leading a covey of 14 young ones through a newly mown field, very near to us. Pretty sight. Visited White Pond, Sudbury, and saw the Flickers catching ants. Peculiar and remarkable instinct. Reached home by 7 P.M. Letter from [illegible]. He had reached St. Paul. Minn. on his way north.

Hypericum corymbosum, purple. Roadside, Concord. Saw a [illegible]
Stachys aspera, Mx. Roadside. Sudbury. Large specimens, seen.
[illegible], Willd. Low ground. Sudbury — [illegible]

1886

— July 2[illegible] —

Concord, Mass. —

A bright day, windy, rather warm. — This A.M. Mr. Edw. Hoar and I took a walk to Fairy-Land, a cool wood, about a mile from the centre of the town with a pond lying in it. It is a beautiful spot. Reached home in time for dinner. After dinner drove with Mr. & a friend in his carriage with the man [illegible] [illegible], Lexington Road some 4 m. then across to [illegible] and back by Sandy Pond. Then went [illegible] [illegible] at Mr. Edw. Hoar's. In the evening went to the School of Philosophy and heard a lecture by Mrs. Julia W. Howe on Dante & Beatrice.

Potentilla fruticosa, L. }
Carex [illegible] [illegible]. }
[illegible] [illegible] — [illegible]
[illegible] [illegible], [illegible].
Hitch
[illegible] [illegible], L.

Young flower. Lexington Road. Nearly an acre of it. Low ground. Mr. Hoar says that this spot has existed for at least 20 yrs.

Archangelica atropurpurea, Hoffm. Fruit. Fence [illegible] field.

1886 —
July 21 —
— Concord. Mass. —

A cloudy day, cool, with a little shower in the P.M. In the A.M. went to the Old Manse [illegible]. Then did a little botanizing [illegible] of Poplar Hill. In the P.M. we walked to Mr. French's Studio and spent a good half hour with him. He was putting the finishing touches on his statue of Cass. Then we went and [illegible] on Mrs. Edward Hoar. Mr. Hoar took me up the North Branch in his boat. Reached home for supper. In the evening, we went to the celebration at the Hall, it being the 25th anniversary of the Battle of Bull Run. —

Baptisia tinctoria, R. Br. }
[illegible] [illegible], L. }
[illegible] [illegible], [illegible]. }
Open hillside —
[illegible] [illegible], L. }
[illegible] pallida, [illegible]. }
Ditch —
Juncus effusus, L.
Border of a brook —
Salix nigra Marsh, ~~var.~~ ~~falcata~~, Carey.
North Branch — Bank — Mr. Hoar says that this is the prevailing tree on this branch —

~ 1886 ~

~ July 22 ~

~ Concord. Mass. ~

The weather to-day has been very delightful. Rather cloudy - light breeze. This A.M. W. B. in his canoe & Mr. Hoar & I in the row boat went down stream a mile or more below Ball's Hill where we landed and crossed a cold swamp full of sphagnum to a wood. Salix myrtilloides was very abundant in the swamp while the prevailing Carex was a new one to me C. oligosperma. It was a beautiful sight to see such a quantity of it together, its long thin leaves bending gracefully in every direction. Returning we rowed back some ½ m. to a wooded hill where we lunched. We saw there a few specimens of ~~Castanea vesca~~ Fagus ferruginea the only ones Mr. Hoar knows of in Concord. Then we rowed back to the bog and collected more C. oligosperma, after which we returned home sailing part of the way. H. A. Purdie called in the evening.

Carex oligosperma, Mx.
Salix myrtilloides, L.
Habenaria lacera, R. Br.

Cold bog by Concord River below Ball's Hill Concord near ½ m from the Carlisle boundary -

Smilacina bifolia, Ker.
Single-leaved 2 specimens - woods ~

Onopordon acanthium, L. } Rubbish-heap
Arctium Lappa, L. var. tomentosa. Gr. }
Salvia Sclarea L. (ver) } Cambridge -

– 1886 –

– July 23 –
– Cambridge, Mass. –

A bright clear day. Spent the A.M. packing. Left Concord by the 12.27 P.M. train on the Fitchburg road reaching home by 1.40 P.M. Went to the Garden. Saw Dr. Gray & Mr. Watson. The latter looked over some of my roses. Packed in the evening for Wells.

– Wells. Me. –
– July 24 –

A clear, pleasant day. This A.M. went to the Garden. Mr. Watson looked over the rest of my roses. Took the 3.50 P.M. B.&M. Station in Boston for Wells. Came down with Mr. G. C. Lord, R. Lord & wife. A little late owing to the breaking of the engine. Reached the house here by about 8.30. We are to stay a week at my uncle's place "The Elms". My mother & sister Mary are here and were glad to see us.

– July 25 –
– Wells Me. –

A pleasant day cool and cloudy. This A.M. some of us walked down to the beach some 10 minutes walk from the house. My uncle owns 300 acres and one mile of beach. I found

The usual run of sea-side plants. Rosa lucida is everywhere in profuse abundance. Saw one plant of Rosa nitida past blooming. The former is in full flower still. The large salt marsh has been diked and it produces a large crop of hay. I examined one of the hay-cocks and found the grass to be Glyceria maritima. After dinner we all scattered to our rooms. At about 4 P.M. R. Ford and wife and Mrs. D. & I took a long drive through the country, much of the time in the woods. The Solidagos are just coming into bloom and covering the roadsides and fields with a coat of yellow. Vaccinium Pennsylvanicum is very abundant in full fruit, Pinus Strobus & rigida, Abies balsamea, Quercus coccinea tinctoria ~~nigra~~, rubra & alba, abundant. Saw a good deal of the Bear Berry by the road. Views fine. Reached home before 7 o'clock.

Wrote letters in the evening.

Juncus Greenii, Oakes & Tuckerman.

In sand, just back of the beach.

— 1886 —

— Jul. 26 —

— Wells - Me. —

A cloudy cool day rain in the P.M. This A.M. R. Lord and wife and I took a stroll through the fields & woods to Little River - I never saw so much Glyceria Canadensis as I saw growing by the river bank - This P.M. in spite of the rain, we took an ocean bath - It was very cold and invigorating - Too wet to go collecting - Read this evening - Have received a letter from Burns from West Va -

Juncus Greenii, Oakes & Tuckerman -

Sandy field near Little River.

Polygala polygama, Walter -

Open field - Seeds from cleistogamous pods.

Rosa lucida, Ehrh -

Open field

~1886~

~July 27~

~Wells, Me.~

A cool, cloudy, rainy, foggy day – This A.M. before the rain came down, I went down to the beach and did some collecting. Found Carex folliculata in great abundance in a peat bog back of the beach – It was too far gone to make good specimens –

This P.M. arranged plants and took a nap – It rained very hard. Wrote letters in the evening –

Rosa ~~luci~~da, nitida Willd. }
Carex folliculata, L. }
Peat bog – back of the beach –
Carex stramineа, Schk. var. }
Juncus Balticus, Dethard }
" Greenii, Oakes & Tuckerman. }
Sand just back of the beach.
Cnicus pumilus, Torr.
Sandy ground near the coast –
Helianthemum Canadense, Michx.
Single flower – Open ground —

– 1886 –
– July 28 –
– Wells, Me. –

A clear, cool day. The clouds broke up last evening and we had a bright star-light night with a fine display of the northern-lights. This A.M. I tramped over the salt marsh on the south side of Little River and found it full of the plants peculiar to such localities. The marsh is full of holes, from very small ones to 20 ft. in diameter, rather shallow, soft muddy bottom and most of them full of Ruppia which I analyzed thoroughly under my microscope for the first time to-day. It is a most singular flower & fruit. Went down to the beach and then back to the house. At 12 M. went in bathing. This P.M. M. & I took a drive with Mr. E. Lord to Kennebunk and then to the beach where Mr. H. Lord lives where we made a call. Then home. Beautiful roads through the woods.

Ruppia maritima, L.
Holes in the salt marsh, under water.
Glaux maritima, L.
Salt marsh.
Spergularia media, Presl. = Lepigonum medium, Fries.
Salt marsh. Seeds smooth & broad-winged.

-1886-
-July 29-
Wells - Me.

A warm morning - Cloudy and cool in the P.M. with wind. This A.M. I went down to Little River above the dam, but a short distance from the house. It is a narrow stream with muddy banks. On the way thither I went through some woods on my uncles place. Did some collecting and returned in time for a sea bath - M. & I went in together. This P.M. Mr. Edw Lord, M. & I drove over to Ocean Bluff in Kennebunkport. We also drove about in the port. At the Bluffs called on Mrs. Noble & daughter. T. B. S. was there. Most of our drive was in the woods which have a real northern aspect composed as they are in part of spruces & firs and larches. Reached home in time for supper. Packed for Cambridge in the evening.

Eleocharis ~~acicularis~~, tenuis, Schultes. }
Scirpus, Eriophorum, Michx. }
muddy bank of Little River. The former carpeted the bank with a soft green for quite a distance.

Carex trisperma, Dewey. }
" tentaculata, Muhl. }
" folliculata, L. }
Damp woods -

- 1876 -

- July 30 -

Cambridge Mass.

A very hot day. Left Wells this A.M. in the 7.14 train. Reached Boston at 10.30. Went to the Botanic Garden and gave Marta some Glaux maritima & Hudsonia tomentosa to plant. Spent the P.M. arranging my Concord plants.

- July 31 -

Cambridge Mass.

A warm day. Light rain in the A.M. Poisoned & labelled plants to-day. Went to the Garden twice. Dr. Gray returned my Violets going over all of them with me and gave me a good many forms of V. sagittata, palmata &c.

Dipsacus sylvestris, Waste ground —

- Aug. 1 -

- Cambridge - Mass. -

A warm day - Poisoned plants and put some in the box -

- Aug. 2 -

- Cambridge. Mass. -

A warm A.M., cool P.M. Put all the rest of my Concord plants in the box. Went to town & received a collection from Miss Hudson this evening

~ 1886 ~

~ Aug. 3 ~

~ Cambridge, Mass. ~

A cold day, cloudy & windy. Slight rain in the P.M. Worked on my plants. Was in Boston in the A.M. Saw H. A. Purdie. Mr. Thos. Morong has come down to spend the night. Tomorrow we go to Concord. Visited the rubbish heap after supper. We noticed Lythrum Salicaria, Lysimachia vulgaris, Epilobium hirsutum, Echinops exaltatus, Galinsoga parviflora, Echinocystis lobata, Cannabis sativa, besides many others before recorded.

We spent the evening talking over plants & nature.

~ Aug. 4 ~

~ Cambridge ~ Mass. ~

A clear bright cool day with a light wind. Mr. ~~A~~ Morong & I took the 9.13 train (Cambridge Station Fitchburg R.R.) and reached Concord shortly after 10 AM where we met Mr. Edw. S. Hoar, who drove us to his house. We spent the whole day till 5.15 P.M. on the river, Sudbury & North Branch, taking our lunch at 1.30 P.M. in floating boat. Wm. Brewster accompanied us part way in his canoe. It was a most delightful trip as we had a good chance under Mr. Hoar's guidance to study the flora of the river. Took tea with Mr. & Mrs. Hoar and took the 6.46 train back to Cambridge. Spent

[illegible] parts, [illegible] Rob[illegible]
[illegible] in press —

Bidens Beckii Torr.
Potamogeton Claytonii, Tuckerman
" Spirillus, Tuckerman
" pulcher, Tuckerman.
" amplifolius, Tuckerman.
" pusillus, L., var. tenuissimus, Mertens & Koch.
" Robbinsii, Oakes.
Naias flexilis, Rostk., var. robusta, Morong. (tips of [illegible] reaching nearly to the surface)

Sudbury River, Concord. Very abundant —

Scirpus subterminalis, Torr.

North Branch of Concord River, very abundant.

Nuphar Kalmianum, Ait.

Very abundant. Sudbury River — Some of the plants with more wavy margins & brighter disks than in the type —

Nuphar advena, Ait.

Sudbury River —

All to-day's plants are verified by Rev. Thos. Morong.

Trapa Natans.

Fruit — (Sudbury) ~~(Concord)~~ River —

— 1886 —
Cambridge, Mass. —
— (Aug. 5 —

A clear, bright, cool day. This A.M. Mr. Morong & I visited the Rubbish heap & collected a variety of plants. I observed but did not collect Oenothera biennis, var grandiflora. Geum urbanum, L.— Then Mr. M. left me to return home. I went to the Garden and verified my plants till dinner time. Spent the P.M. arranging plants.

(1) Epilobium hirsutum, L.
(2) Gaura biennis. L.
3 Barbarea nigra, L.
Malva Alcea, L. (Fide Asa Gray)
(5) Veronica longifolia, L., var.
(6) Echinops exaltatus, Schrad.
(7) Gaura parviflora, Dougl. (Fide Sereno Watson)
(8) Althaea officinalis, L.
9 Lepachys pinnata, Torr. & Gray.
10 Verbascum Blattaria, L.

(Ver)

- Rubbish heap - Cambridge —

— Aug. 6 —
— Cambridge, Mass —

Went to Garden this A.M. [illegible] the P.M. The [illegible] [illegible] for a [illegible] —

– [illegible] –

– [illegible] –

– Rye Beach, N. H. –

A cloudy cool day. Went to [illegible] in the A.M. and on my return called at the Botanic Garden. We took the 3-15 P.M. train at the Eastern Depot for No. Hampton and then by stage to Mrs. A. J. Foster's, Rye Beach. The house is but a minute's walk to the water. The Isles of Shoals lie directly opposite. A heavy fog came up in the P.M. and by dark it began to rain and it has been raining all the evening –

– Aug 8 –

– Rye Beach, N. H. –

A clear cool day. Light clouds. In the A.M. before church, I strolled down to the beach and observed the following sea-side plants :— [illegible] Groenlandica, Cakile Americana, Euphorbia polygonifolia, Atriplex patula, [illegible] [illegible] [illegible]) among the pebbles above the beach. – (Triglochin [illegible] [illegible], Eleocharis pygmaea, Scirpus pungens ([illegible] [illegible]) Spartina juncea, Solidago sempervirens (bud)), salt marsh) [illegible] [illegible] among pebbles above the beach. Lathyrus maritimus, rocky beach. Myrica cerifera, sandy soil near the shore. Glyceria maritima salt marsh. This P.M. I walked

along the shore and collected a few things
in company my Helen Dexter -

12 (Eleocharis pygmaea, Torr.
Brackish swamp

13) Rosa lucida, Ehrh. }
14 Vicia sativa, L. }
Rocky shore - I see a few lingering
roses still in bloom -

- Rye Beach N. H. -
- Aug. 9th -

A clear beautiful day, rather warm in the sun - This A.M. Helen & I took a walk through Cathedral Woods returning home by road a distance of some 4½ miles. Phytolacca decandra was very abundant in a clearing in the woods. We visited some Firs, 12 to 15 trees - The Fir seems to be a rare tree here. At 11.30 A.M. we took an ocean bath, cool & exhilarating. In the P.M. I went over part of the brackish marsh that lies just behind the beach. I noticed Salsola Kali, Scirpus maritimus. Ruppia maritima, Ranunculus Cymbalaria. Lythrum hyssopifolia, Xanthium Glyceria maritima, Spergularia media - and others before mentioned. Played tennis after tea -

15 Elodes Virginica, Nutt. }
(16) Juncus articulatus, L. }
Sandy soil, back of the beach -
(17) Lythrum Hyssopifolia, L.

(18) Rosa lucida, Ehrh. }
(19) Cnicus pumilus, Torr. }
Roadside -

- Aug. 10 -
- Rye Beach, N.H. -

A beautiful day, clear, breezy, rather warm in the sun, cool in the shade. This A.M. I rowed about on the brackish pond, back of the bathing beach. I found the water about one foot deep, the bottom varying from sandy to muddy. There are several patches of Typha latifolia in it. Considerable game is shot on its waters in the right season. There is a good deal of green slime on its surface in places, some cryptogamic plant, unknown to me. In places the water is literally choked with Ruppia maritima and with two Potamogetons, P. perfoliatus, & P. pectinatus. The beautiful brown of the former, which is only in flower now and the fine capillary leaves of the latter are very striking. The latter is in fine fruit. ... Usual bath at noon. This P.M. I drove with my sister Mrs. Dexter and my niece to Portsmouth 9 m. Warm going, cool returning. Country looking beautiful. Saw in a salt marsh, Salicornia herbacea & Spartina alterniflora. Read Everett's memoirs in the [illegible]

(20) Potamogeton perfoliatus. L. }
(21) " pectinatus. L. }
Fide Thos. Morong for similar specimens sent him growing with these.
Brackish Pond behind the beach - Abundant.

- 1886 -

- Aug. 11 -

Rye Beach, N.H.

A warm day, cloudy. This A.M., I went over the pond again behind the beach. I rowed over the whole extent of it and I find the further end of it is some 4-5 ft. deep muddy bottom. The rest some 2 acres in extent is scarcely more than a foot deep, and I should say that at least an acre is covered with Potamogeton pectinatus, as thickly as plants could possibly grow together. Bath at noon, cool & refreshing. Read Grant's Memoirs this P.M. and before supper, strolled on the rocks above the beach. Played tennis after supper.

(22) Scirpus validus, Vahl.
(23) Potamogeton pectinatus, L.
Pond back of the beach.
(24) Archangelica Gmelini, DC.
Low ground by stone wall, near above the beach.
(25) Ligusticum Scoticum, L. " "
Rocks above the beach.

— 1886 —

— Aug. 12 —

Rye Beach, N. H.

A clear cool day with refreshing breezes. Bright moonlight evening. This A.M. I strolled along the rocks by the beach and collected a few plants. Bathed at noon. Played tennis in the P.M. Read Grant's Memoirs in the evening —

(27) Convolvulus sepium L., var. Americanus

In rocks and by the roadside above the beach.

(28) Hordeum jubatum, L.

Roadside — near the beach.

29. Ligusticum Scoticum, L.

Rocks, above the beach —

— Aug. 13 —

— Rye Beach, N. H. —

A clear cool day. This A.M. H. & I walked over the beach about a mile beyond Straw's Point, which is a mile distant. Calamagrostis arenaria everywhere in the sand. (Statice Limonium var. Caroliniana, Plantago maritima var. juncoides, Gerardia maritima, Suaeda maritima, in salt marsh). Triplasis purpurea, in sand. Bath at noon. This P.M. my wife & I walked to Little Boar's Head and made some calls. Observed Hudsonia tomentosa in great abundance in the sand. Rumex salicifolius, rocks near the water. Returned home by coach —

(30) Ammophila arundinacea, Host.

Sand on the beach just above tide mark

– 1886 –

– Aug. 14 –

Rye Beach, N. H.

A cloudy morning with occasional rain. Rather cool – P.M. clear and cool with considerable wind – Cool evening, clear full moon – This A.M. I went up the beach with my rubber boots and a hoe to get some good roots of the Beach Grass, Calamagrostis arenaria – The root-stocks & roots run deep – On my return, met Arthur Locke who lives here. He says that the duck come in, in the Fall, to the pond behind the beach and feed on the fruit & plant of the Potamogeton pectinatus which is so abundant. – Bath at noon. Water rather cold – This P.M. Mai & I walked over to Little Boar's Head and saw a tennis-tournament at Mrs. Jack Read's – Distance about 2 miles – Returned home by 6.20 P.M. Read Grant's Memoirs in the evening, Finished Vol. I. It is extremely interesting –

31 Typha latifolia, L.

Pond behind the beach.

32 Ilodes Virginica, Nutt.

Beach Sand –

(33) Lycopus sinuatus, Ell.

Wet ground nearly 3 ft. high. Calyx teeth 5 &c according to the Man. Sterile filaments with spatulate tips.

~~34~~ (34) Carex straminea, ~~Schk~~, var. moniliformis, Tuck. (to be ~~erased~~)

Beach-Sand – Not to be erased.

(35) Rumex salicifolius, Weinm. Rocks above the beach – Little Boar's Head.

1886

Aug. 15

Rye Beach, N. H.

A clear cool day. Church this A.M. Wrote this P.M. Bath at 4 P.M. Rather cold. Wrote this evening.

Aug. 16

Rye Beach, N. H.

A cloudy cool day, rain in the evening. Bowled this A.M. Bathed at noon. This P.M. I went into the woods between here and the Farragut House and got some Carex tentaculata for Mr. Bailey. I found a large patch of Woodwardia angustifolia, with fruit not quite ripe.

(36) Carex tentaculata, Muhl.
Low grounds.
(36*) Polygonum tenue, Michx
Open grassy field.

Aug. 17

Rye Beach, N. H.

A cloudy day, but pleasant. Wrote and read in the A.M. Bathed at noon. In the P.M. Helen, Mary & I walked some 2 miles to the Firs and filled a large bag with twigs. In the evening, we had some reading in the parlor.

— 1886 —

Aug. 18 —

— Rye Beach. N.H. —

A clear cool day. This A.M. Helen & I drove to Portsmouth and returned by way of New Castle. A most delightful drive with superb views. Distance some 22 miles. This P.M. M. & I walked to Little Boars Head, where I went into the salt-marsh and botanized. After considerable inquiry I found the "Sweet Grass" used by the Indians in their baskets. It is Hierochloa borealis. They use the sterile shoots which come up after the flowering culm is by. It is very abundant in the salt marsh near the fish-houses. I was delighted to find Poterium very abundant on the borders of the marsh in fine flowering condition. Mrs. D. made some calls. I met her by 5.30 and we walked home. In the evening, arranged plants and then went down stairs. No bath to-day.

(37) Poterium Sanguisorba, L.
Borders of salt marsh - abundant - Little Boars Head.

(38) Juncus Canadensis, J. Gay. var. longicaudatus, Geo Engelm.
Salt marsh - Rye Beach.

(39) Hierochloa borealis, Roem. & Schultes.
Salt marsh, abundant, sterile shoots.

(40) Hordeum jubatum, L.
Salt marsh —

Little Boars Head.

~1886~

- Aug. 19 -

- Rye Beach, N.H. -

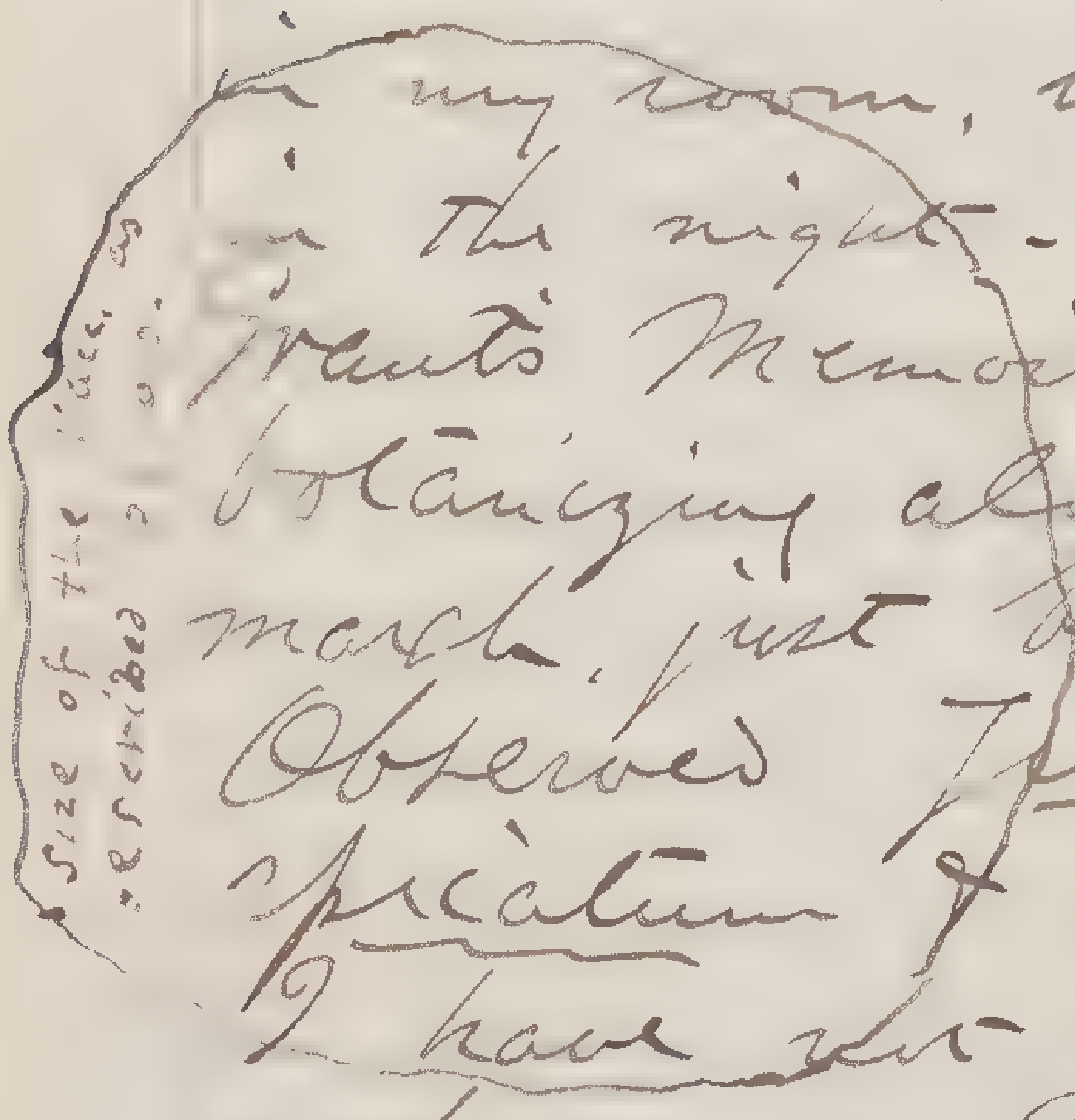
A cool, bright day, occasional clouds. Short, light shower in the P.M. This A.M. played tennis before bath. In the P.M. H. & I went over the woods near the Farragut and botanized. I find that the Woodwardia angustifolia covers from half an acre to an acre in profuse abundance. It grows with Osmunda cinnamomea & regalis and Aspidium Noveboracense. Aster acuminatus is in full flower in the deep woods, magnificent specimens, covering large spots among the trees. I never saw so much Impatiens fulva. In the shade of the woods, broad patches are entirely monopolized by this plant. It makes a pretty appearance. On the skirts of the woods Apios tuberosa is everywhere climbing up the stems of its neighboring plants. It is in full flower now and its tuberiferous root-stocks are very interesting. The White Pine, Black Spruce & Red Maple seem to be the prevailing trees. Clethra is abundant. Spent the evening writing, and playing games down stairs —

41) Aster acuminatus, Michx.
Deep woods.

(42) Apios tuberosa, Moench.
Border of woods.

-1886-
-Aug. 20-
~Rye Beach, N.H.~

A clear, cool day. This A.M. I spent in my room, not having felt quite right in the night. I wrote letters and read Grant's Memoirs. This P.M. I went off botanizing alone. Went all over the salt marsh just beyond the Farragut House. Observed Juncus Gerardi, Brizopyrum spicatum & Triglochin maritimum, plants I have not seen here before. The Brizopyrum I could not find in flower or fruit at all. Then I went over to the salt marsh at Little Boar's Head and collected several bunches of the "Sweet Grass" (Hierochloa borealis). I reached home by about 5.30 P.M. Arranged my plants in the evening most of the time —


Size of the Vacc. as described on p.

(43) Hierochloa borealis, Roem. & Schultes.
Salt marsh. Leavitt's Woods. Little Boar's Head.

(44) Hordeum jubatum, L.
Brackish marsh. Little Boar's Head.

45 Juncus Gerardi, Loisel. }
(46) Carex Oederi, Ehrh. }
Marshy land, Rye Beach.

(47) Triglochin maritimum, L.
Salt marsh. Little Boar's Head.

The bush was not more than 7-8 ft. high, as it was crowded by the surrounding growth.

On the edge of a wood at Little Boar's Head, I observed a Vaccinium corymbosum 7½ in. in circumference by measure 10 in. from the ground. It measured nearly the same 3 ft. from the ground.

~ 1886 ~

~ Aug. 21 ~

~ Rye Beach, N. H. ~

A clear cool day. Strong breeze from the sea. Surf very fine. This A.M. I bowled with a party and bathed at noon. In the P.M. I read Grant's Memoirs till 4 P.M. when S., H., M. & I walked over to Little Boar's Head. I collected a good deal of Carex straminea, var. moniliformis to get the perigynia for L. H. Bailey jr. which I did up this evening in pockets to send him. I got it at Little Boar's Head. We enjoyed the surf which was dashing furiously on the rocks. Reached home in time for supper. I spent the evening in my room, working on the Carex and then reading Grant's Memoirs till 11 P.M.

~ Aug. 22 ~

~ Rye Beach, N. H. ~

A clear cool day. Strong breeze. Surf high. Church this A.M. This P.M. I went up the beach and got some Carex straminea, var. moniliformis and put it in press for L. H. Bailey jr. Bathed between 4 & 5 P.M. Wrote & read in the evening.

(47a) Carex straminea, Schk. var. moniliformis. Tuck.
Sand beach.

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– Aug. 23 –

– Rye Beach, N. H. –

A bright, cool day. Sun rather warm. Fine breezes. I went to the Isles of Shoals to-day with a party of four ladies. Took the stage to Portsmouth, rode on Top, delightful drive of 9 miles. Superb sail over to the Isles. There was a long heavy swell. We reached Star Isl. by 12.40. Dined at the Oceanic, then spent an hour, wandering about the small island. A few Balm of Gilead trees and two stunted willows are about all the growth of trees on the island. Vegetation is very scant. In a rocky cleft I saw Aster tardiflorus, Solidago sempervirens, Teucrium Canadense. Saw plenty of Plantago decipiens, Potentilla tridentata. Interesting old buildings on the island. Surf magnificent off the eastern cliffs. Left the island at 3.10 and had a delightful sail back. The stage came back by way of Newcastle and we had fine views of the sea. Reached home by 6.30 P.M.

(48) Aster tardiflorus L. (Fide Asa Gray Sept. 15 - 1886)
In soil, in a rocky gulch, Star Isl. N. H.

(49) Lycopus Virginicus, L.
In moss, on exposed rocks. Star Isl. N. H.

(50) Plantago decipiens, Barneoud.
Rocks. Star Isl. Isles of Shoals, N. H.

— 1886 —

— Aug. 24 —

— Rye Beach. N.H. —

A warm morning, afternoon very cool with strong breeze, cloudy. This A.M. Helen & I walked to the Firs and filled a meal bag with twigs. Returned to the house in time to bathe before dinner. Water not cold, waves not high. This P.M. read aloud Grant's Memoirs and before tea went on the pond to look after the potamogetons. P. perfoliatus is in good fruit.

(51) Potamogeton perfoliatus, L.
Pond back of the beach. Flowers above water
Fruit below water. Fruit in good condition

— Aug 25 —

— Rye Beach, N.H. —

A cloudy, windy day. This A.M. Helen & I walked to Little Boar's Head and picked a good deal of the Sweet Grass. The Poterium is abundant on and near the salt-marsh and is in full flower. We got back in time to bathe. After dinner I spent most of the P.M. in my room with my plants. Went into the Farragut woods.

(52) Poterium Sanguisorba, L.
(53) Aster tardiflorus L. (Fide Asa Gray Sep 15 1886)
Salt-marsh Little Boar's Head. No Hampton.
(54) Rubus hispidus, L.
Shady woods. fruit.

~ 1886 ~

~ Aug. 26 ~

- Rye Beach. N. H. -

A warm day with almost no breeze. sky clear. Stayed at home this A.M. and read before bathing. Bath delicious breakers high, water cool, just right. This P.M. Margie & I drove in a phaeton to Portsmouth and returned by way of New castle. We were gone 4 hrs. Read the Memoirs in the evening - Evening warm -

- Aug. 27 -

- Rye Beach N. H. -

An intensely hot day, no pleasure to move out of doors. Have staid at home all day, with the exception of bathing, and have read the Memoirs written letters and gone over my plants. Bath was cool and delicious -

- Aug. 28 -

- Rye Beach. N. H. -

A warm day, light breeze - Talked with Mr Kerrison of Charleston S.C. till bath time. Water cool & delightful - In the P.M. read the Memoirs then went on to the reef, with H. & M., uncovered at low tide. Picked a good deal of Chondrus crispus on the beach. Bowled in the evening.

-1886-

-Aug. 29-

-Rye Beach, N.H.-

A cool day, foggy on the water, light breeze - Finished the Memoirs this A.M. before church - It is a very interesting and instructive work - Bathed before dinner. Water almost warm. This P.M. H. M. & I walked through some woods just beyond the Sea View House, being gone from 2.30 to 5.30 P.M. I got some interesting plants. Worked over my plants in the evening -

55) Aster cordifolius, [illegible] var. (? See Aster Gray [illegible])
56 (Cyperus Aspidium Thelypteris, Swz.)
Damp woods -
57 Cyperus strigosus, L.
58) Panicum agrostoides, Spreng.
59 Juncus (Canadensis, J. Gay, var. longicaudatus, Engelm.)
Moist ground - border of woods -
(60) Juncus marginatus, Rostkovius.
Moist shady ground. Rostkovius.
61) Scirpus Eriophorum, Michx
62) Rhynchospora alba, Vahl.
63 Drosera intermedia Drev. & Hayne, var. Americana, DC.)
Low ground -
(63') Proserpinaca palustris, L.
Low ground. Fruit.

~1886~
-Aug. 30-
-Rye Beach, N.H.-

A very foggy wet day, rain part of the time. Spent the A.M. in the house arranging my plants and writing. Bath at noon. Water cool and delicious. In the P.M. I went up to the Indian tent near the Sea View and had a talk with the Indian, Dana, about Sweet Grass. They pick it in July or later strip off the outside leaves, then dry it by hanging it up on the ridge-pole inside the tent. He says that the scent is lost, by drying it in the open air, in the sun. If properly dried, the scent lasts for years. The grass is braided in pieces of the required thickness before it is ~~weaved~~ woven into their baskets, &c. Sometimes they buy the grass from those who collect it to sell, at so much a pound. They also sometimes buy the braids in the same way. The thin strips that they make their fancy work out of is White Ash (Fraxinus Americana). They split it to any required thinness and then with a machine cut in into strips of any width. They then color the strips with coloring matter which they buy of the apothecaries. The thicker pieces of wood for framework, handles &c is Red Maple (Acer rubrum). Dana calls it White Maple, the name by which the tree is known in Maine. The larger baskets they make over a frame. He lives in Oldtown Me. an Indian settlement and they do a good deal of native work in the winter, filling orders and preparing for the summer trade. Dana has been in Rye for 26 summers. I bought of him some Sweet Grass and some fancy articles and some strips of Ash and braided grass. He had some small boats made as he said of White Cedar of Me. This is of course Thuja occidentalis. He said that he did not know the Sweet grass in flower.

On returning home, I went over just beyond the Farragut House botanizing. Played whist in the evening.

(64) Rhynchospora glomerata, Vahl. }
(65) Cladium mariscoides, Torr. }
Low ground, back of a stony beach.

-1886-

-Aug. 31-

-Rye Beach, N.H.-

A cloudy morning with a stiff breeze, sun breaking through occasionally. A wet, rainy P.M. & evening. Thunderstorm about 2 P.M. with sharp flashes. This A.M. I walked to Little Boars Head and got a few plants. Bathed as usual about noon. Read in the P.M. Labelled plants before dinner. Played whist in the evening.

(66) Solidago rugosa, Mill.
Roadside - the upper part of the plant - The leaves on the lower part were dead. Plant 5 ft, 2 in high

(67) Juncus Balticus, Dethard.
Border of salt marsh, in rather sandy soil, Little Boars Head, No. Hampton.

(68) Sporobolus cryptandrus, Gr.
Sand, near the beach. Little Boars Head No. Hampton

(69) Cakile Americana, Nutt.
Pods. Stony beach. Little Boars Head. No. Hampton. On some plants the fruit is beginning to drop, while even on the same plant there may be flowers and pods in various stages of developement.

-1886-

-Sept 1st-

-Rye Beach N.H.-

A cool day, foggy in the morning, then bright in the P.M. This A.M. I did a little botanizing on the beach and in the woods near by preparatory to returning home to-morrow. Then I went to Sabbattis Dana's tent to get a basket that he was going to make for me. I had a very interesting conversation with him. He belongs to the Penobscot tribe of Indians of whom some four hundred have survived. They live in Oldtown, Me. in a community of their own and have lived there as far back as Dana knows. They all live there during the winter and the children go to school. In the summer many of them stay there while the rest engage in various employments, lumbering &c. Many engage in making baskets and the like and establish themselves at seaside resorts and in towns near hotels and ply a good trade. Dana has been here for 26 summers. He buys Sweet Grass almost entirely, instead of collecting it. It brings $1 per lb. Some of the grass they interweave without braiding. They make all their baskets and articles of that sort over blocks. He said it would be impossible to make a basket with Sweet Grass in it, without a block, as the grass would draw the basket out of shape. He told me that parties in

Maine, made a kind of cologne out of the grass and boys picked it for them in large quantities, regardless of the length, even taking the second crop, where it had been cut once, and was only a few inches high. I watched them at work there, Dana's wife and son, and saw a basket being worked over a block and a tumbler being covered with the ash strips and grass. I do not think that it would be difficult to do with a little practice. The grass I got from Dana yesterday was picked in No. Hampton, this summer. Dana says that he sometimes gets it [illegible] [illegible] [illegible], but I should take statement with some allowance. Dana talks English very well. His wife does not talk it at all. His son probably talks English, but he spoke Indian only, while I was there. The language of the Penobscot tribe differs entirely from that of all our other No. Amer. Indians. He returns to Oldtown ~~to morrow~~ Sept 4th. ~~a within a few days~~.

(73) Hierochloa Virginiana ? Holy grass —

Bathed at noon. Water delicious. Packed in the P.M. and collected Irish moss on the beach. Whist in the evening.

(70) Atriplex patula L., var. littoralis, Gray —
(71) Teucrium Canadense, L.

Stony soil at the head of the beach.

(72) Woodwardia angustifolia, Sm.

Moist woods near the Farragut House. Very abundant —

– 1886 –

– Sept 2 –

Cambridge, Mass. –

A perfect day, clear and cool. This A.M. I was busy packing my plants, besides attending, a little in the woods near by, collecting [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] finished at [illegible] in the last time. We [illegible] [illegible] [illegible] by the 2.10 P.M. train, reaching Boston by about 7 o'clock. Found everything right at home. In the evening we went up to my mother's.

– Sept 3 –

– Cambridge, Mass –

A clear, cool day. Have been busy mounting plants to-day. Mounted 108 sheets, all my Concord collection and some plants sent me by Miss Reading. I have also done up Mr. [illegible] packages of [illegible] to [illegible] [illegible] –

– Sept. 4 –

Cambridge, Mass.

A cool day, cloudy. This A.M. took the mounted plants from the blotters then went to Boston to see Mr. Churchill. Had a pleasant talk with him and arranged a trip for to-morrow. This P.M. went to the Garden. Mr. Watson has gone to Europe and Dr. Gray is in New York. Saw Manda and gave him some Fern stocks of Sept 2. Verified a few plants. Called on Miss Needham, gave her some Fern stocks. This evening went up to my father's.

— 1886 —

— Sept 5 —

— Cambridge, Mass —

A cloudy day, cool and pleasant. This A.M. I took the horse-cars to Dorchester to Mr. Churchill's. Spent an hour or so before lunch in looking over his Canada collection and talking. After lunch, we drove in a carryall with his wife & cousin to W Quincy where we left the carriage at the junction of Forest Av. & Randolph turnpike. We then botanized in the woods along the base of Blue Hill, Quincy, going some mile & a half into the woods. We found many interesting plants, returning to the turnpike by 6.20 P.M. we walked straight to the Lower Mills across the Neponset River to the horse cars, a distance of 4 miles, reaching there at 7.20. We returned to Mr. Churchill's where I dined returning home shortly after. I left the house at 9.15 with the Meeting House Hill cars, Park Sq. and Newton cars reaching home at 10.45 P.M. Put my plants in press before retiring. The Blue Hill region is a beautiful botanical ground and is full of interesting and uncommon plants! Mr. C. gave me some of his Canada plants which I was glad to get, among them, Habenia deflexa –

(74) Lobelia cardinalis, L.
(75) Lycopus Virginicus, L.
(76) Onoclea sensibilis, L.
(77) Polygonum ~~hastatum~~, arifolium, L.
(78) Muhlenbergia Willdenovii, Trin.
(79) Desmodium Dillenii, Darling.
(80 Galium trifidum, L.
(81 Gaylussacia frondosa, Torr. & Gray,
(82) Rhus copallina, L.
(83) Phegopteris hexagonoptera, Fée.
(84) Asplenium filix-foemina, Bernh. var. angustum D.C. Eaton, nov. 24-1886)
(85) Viola cucullata, Ait.
(86) Anychia dichotoma, Michx. var. capillacea, Torrey
×
Woods - West Quincy.
86× Arisaema triphyllum, Torr., Fruit - Woods - West Quincy -

×86' Ceanothus Americanus, L. W. Q.
(86'' Vitis [illegible], L.
Roadside.
(86''' [illegible] [illegible], Roadside. W. Quincy.

Sept. 6 -

- Cambridge, Mass -

A cool, pleasant day. This A.M. went in to my dentist. Saw the Knights of Labor procession. Tremendous [illegible]. This P.M. worked on my plants and went up to the Garden to give Manda some [illegible]. Mr. Watson has gone to Europe. Dr. Gray is in New York. Played whist at my sister's this evening

87 Dipsacus sylvestris,
8 Arctium Lappa, L., var. tomentosum, Gray.
Fruit - Rubbish-heap.

– 1886 –

– Sept. 7 –

– Cambridge, Mass. –

A beautiful day, cloudy and warm in the A.M. Went to Ashland by the 11.05 train from Boston taking the cars at Newton. Reached Ashland at 12-15. Mr. Morong at the station. Passed a most delightful afternoon in his Herbarium. He has given me almost all the species & varieties of the genus Potamogeton. He told me a good deal of his trip to Buffalo. After tea I called on Misses Higgins & Jones. Left Ashland by the 6.48 P.M. train, taking the horsecars at Newton. Reached home by 8-25 P.M.

– Sept. 8 –

– Cambridge, Mass. –

A clear windy day, sun warm. Took the 10 A.M. train from East. Depot, with Mr. Morong, to No. Beverly reaching there at 11 A.M. Went to Wenham Pond near by, got a boat and spent two hours botanizing. Too windy to do much. After leaving the boat, we lunched on the bank then walked on the shore some way. Took the 4.07 train back. I reached home by 5.45. Mr. M. went to find fruit of a [illegible] in the upper [illegible]. Found none but [illegible] the plant. It has not been found in fruit, [illegible] [illegible] be. It may be a form of P. [illegible].

Tiselius thinks it P. nitens.

(89) Potamogeton pusillus, L. var. tenuissimus, Mertens & Koch.
(90) " Robbinsii, Oakes.
(91) " gramineus, L., var. heterophyllus, Fries.
(92) " probably form of P. perfoliatus, L. fr. wanted.
(93) Myriophyllum spicatum, L.
(94) Gratiola aurea, Muhl.
(95) Coreopsis trichosperma, Michx. on shore.
(96) Lobelia Dortmanna, L.
(97) Vallisneria spiralis, L. ♀ scapes.
(98) Nuphar advena, Ait. (Immersed leaves.)
(99) Myriophyllum tenellum,

Wenham Pond. No. Beverly. In water.

Mr. Morong is authority for all the above except 95 —

— Cambridge, Mass —
— Sept 9 —

A very hot day, showers in the P.M. Worked this A.M. for father on some historical matters. Worked on my plants this P.M. Played whist this evening at my sister's.

— Cambridge, Mass. —
— Sept. 10 —

A rainy day — Worked at Father's this A.M. This P.M. I have been labelling Mr. Morong's set of Potamogetons. It is a very handsome collection. There are 50 a 60 plants and about 20 species. Wrote to [illegible] this evening in reply to a letter received from him this P.M —

- 1886 -

- Sept 11 -

- Cambridge, Mass. -

A comfortable day, not hot, light clouds. This A.M. I worked for Father at the College Library. This P.M., pressed plants. This evening wrote out labels for my large French plants —

- Sept. 12 -

- Cambridge - Mass. -

A clear cool A.M., cloudy in the P.M., raining in the evening. This A.M. I wrote a short article on Hierochloa borealis. In the P.M. arranged plants and then took a walk with May Defter to Fresh Pond. The water is very low. I saw Anacharis Canadensis in dense mats on the shore near the grove. It is in full flower. Potamogeton perfoliatus is very abundant also. Returned home to supper.

(100) Anacharis Canadensis, Planchon.
(101) Potamogeton perfoliatus, L. } (fide Thos. Morong)
(102) Naias flexilis Rostk.
Fresh Pond in water -

(103) Aster cordifolius.
Low ground by Fresh Pond - Fl. purple -

— 1886 —

~ Sept. 13 ~

— Cambridge, Mass. —

A clear cool day, — This A.M. worked for Father at the College Library. This P.M. went and put plants in the [illegible]. This evening I called on the Mayor in regard to botanizing on Fresh Pond —

~ Sept. 14 ~

— Cambridge, Mass. —

A cool day, pleasant, rather windy — I met Mr. Morong this A.M. at Mt. Auburn and we went to Fresh Pond. Through the Mayor I procured a boat from the engineer at the Water Works and we spent from 11 to 1.30 A.M. rowing all round the Pond, collecting. They are gradually enclosing the Pond by an embankment and no boats are allowed on it now. Had a delightful time. Reached home to dinner at 2 P.M. Mr. Morong staid with me till nearly 5 o'clock, when he returned to Ashland.

(104) Potamogeton perfoliatus, L.
(105) " Zizii, M. & K.
(106) " lucens, L.
(107) " amplifolius, Tuckerm.
(108) " pauciflorus, Pursh.
(Fide Thos. Morong.)
Fresh Pond — Still water
(109) " Zizii, M. & K. (Fide Thos. Morong)
Bog — [illegible] used to be part of the Pond but now cut off and drying up —

(110) Naias flexilis, Rostk.
(111) Anacharis Canadensis, Planchon. } Fide Thos. Morong.
Fresh Pond.
(112) Potamogeton Robbinsii, Oakes. Fide Thos. Morong.
Fresh Pond.
(113) Ilysanthes gratioloides, Bentham.
Sandy shore of Fresh Pond.
(114) Rosa lucida, Ehrh.
Low ground.
(115) Cyperus Engelmanni, Steud.
Boggy ground.
Bidens cernua, L.
(116) Boggy ground.

Mr. Morong says that the above-mentioned Potamogetons that we found to-day are all he ever found in Fresh Pond with the exception of P. praelongus. Fresh Pond as a good place for aquatics is fast being obliterated by the city who are cleaning the shores, banking it up and making a reservoir of it. P. perfoliatus, however, which formerly was the rarest Potamogeton is now the most abundant and occurs everywhere. In a cove on the northern shore, near Concord Avenue, it absolutely chokes the water. P. lucens which Mr. Morong knows no other station for near here, is not as broad leaved as the European plant. We found P. Zizii with floating leaves.

—1886—

—Aug. 15—

—Cambridge Mass.—

A cool day, with clouds. This A.M. I worked over some plants and went to the Garden where I saw Dr. Gray who named some Asters for me from Rye. In the P.M. I went with my wife and sister in to the Horticultural Exhibition. It was very fine. Sturtevant of N.J. had a fine exhibit of Nelumbiums & Nymphaeas, besides two leaves of the Victoria regia. Nat Simpkins of Yarmouth had a very fine tank of Nymphaeas. Mrs. Richards had an exhibit of native plants.

—Aug. 16—

—Cambridge, Mass.—

A rainy day. Mounted plants this A.M. & P.M., 126 sheets in 5½ hrs. This evening took tea at Miss M. Wyman's Craigie St. with my wife. Hard day's work as I had to repaste a large number of the sheets—

—Aug. 17—

—Cambridge, Mass.—

A cloudy, warm day. Not very well to-day. Staid in the house. Took yesterday's plants out of the presses. Verified Va. Carices. Labeled plants &c—

—1886—

—Sept. 18—

—Cambridge. Mass.

A clear, cool day— This A.M. I went up to Ashland and spent the P.M. with Mr. Morong, taking dinner and tea with him. We went to Waushakum Pond about a mile distant and spent some time rowing about on it. It is a most beautiful sheet of water. We got some interesting plants. Mr. Morong gave me some more Potamogetons. I returned home by the usual way at 6.48 P.M. Reached the house at 8.25—

(117) Aster paniculatus, Lam. 5 ft. high. } (Fide Asa Gray, Sept. 29-1886)
(118) " diffusus, Ait. }
(119) " Novae-Angliae L.
Roadside—Ashland—
(120) Lythrum Salicaria, L.
Low ground. Ashland—
(121) Viburnum Lentago, L.
Roadside, Ashland
(122) Utricularia intermedia, Hayne.
(123) " gibba, L. (Fide Asa Gray, Sept. 29-1886)
Waushakum Pond, Ashland.
(124) Cladium mariscoides, Torr.
Shore of Waushakum Pond, Ashland.
(125) Nymphaea odorata, Ait. Fruit. (specimen [illegible])
Waushakum Pond Ashland.
(126) Smilax ~~rotundifolia~~ herbacea, L.
Roadside. Ashland.

– 1886 –

Sept. 19

– Cambridge, Mass. –

A clear morning, soon cloudy – Rained in the P.M., Thunder storm in the evening. Cool, Worked over my plants to-day. Labelling & changed the many Potamogetons. Shall not poison them for the present – Rev. Mr. Mann & his wife dined with us.

– Sept. 20 –

– Cambridge, Mass. –

A cool sunny day, with rather strong breezes. This A.M. I mounted 57 sheets (in 3 hrs.). In the P.M. I went up to Fresh Pond and visited a bog on the North side of the Pond. It was formerly a part of the pond, but has been partly cut off from it by the embankment. Called at Mr. Wm. Russell's this evening.

(127) Aster cordifolius, L. (Fide Asa Gray)
Wooded bank by Fresh Pond.

(128) Ilysanthes gratioloides, Bentham
Wet sand by Fresh Pond.

(129) Panicum capillare, L.
Railroad side by the ice-works

(130) Cyperus Engelmanni, Sch. (Fide N. L. Britton, from similar specimens seen him growing with these, Oct.–1886).
Bog by Fresh Pond –

~~(131) Potamogeton perfoliatus L.~~
~~Fruit – Fresh Pond~~ –

— 1886 —

— Sept. 21 —
— Cambridge Mass. —

A clear, cool day — This A.M. took mounted sheets out of the [illegible] and poisoned plants. This P.M. went over my Potamogetons and made out a desiderata list for Mr. Morong. Wrote letters this evening and called on J. F. H.

— Sept. 22 —
— Cambridge — Mass. —

A clear, very cool day — Went in to the School this A.M., returned by 1.30 p.m. Took a walk with Jimmy Dexter to Somerville where I got some of the Tussilago with large leaves. Spent the rest of the P.M. and evening putting plants in the mounting box,

(131) Tussilago Farfara, L.
Somerville Centre Railway cutting. Forms with the late large leaves. Clayey soil.

— Sept 23 —
— Cambridge — Mass —

A cloudy, rainy day. Was in town till late in the P.M. In the evening I mounted 40 sheets —

1886

-Sept 24-

-Cambridge, Mass-

A pleasant day, cloudy in the A.M.- Staid in town till late in the P.M. L. J. Legate came out and spent the night- No botanical work.

-Sept 25-

-Cambridge, Mass-

A chilly day, cloudy- Staid in town till the middle of the P.M., Mounted some before dinner and in the evening, 10 sheets. Mr. Henshaw called this evening from Washington-

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-Sept 26-

-Cambridge, Mass.-

A beautiful day- rather cloudy- Staid at home, poisoned plants- Mounted 13 sheets- Mr. Henshaw called in the P.M. Took tea at my father's.

Sept 27-

-Cambridge- Mass.-

A fine clear day, driving fog in the late P.M. School to-day- Put some plants in the box before dinner- Read history and wrote letters this evening

– 1886 –

– Sept. 28 –

– Cambridge. Mass. –

A disagreeable rainy day. Got home from Boston by 3-30 P.M. Since then finished the mounting 17 and studied. Had interesting letters yesterday from C. R. Barnes, L. H. Bailey jr., Ed. Tappan & R. A. Larrabee.

– Sept. 29 –

– Cambridge Mass. –

A threatening morning, but it soon cleared and has been a clear, cool day. Returned from Boston this P.M. in time to mount 32 sheets before dinner. Received a letter from Dr. Asa Gray, asking me to call in regard to some Texan plants. We called round and had a pleasant call on Dr. & Mrs. Gray. Dr. Farlow was there. The Dr. wants me to name a lot of Texan plants sent him, and he says I can have the plants. I shall call and see them and consider.

– Sept. 30 –

– Cambridge. Mass. –

A cloudy A.M., clearing later. Mounted 23 sheets in the evening.

— 1886 —

— Oct. 1 —

— Cambridge Mass —

A cloudy day, cool, bright & clear in the evening. Mounting of Plants before & after dinner.

— Oct. 2 —

— Cambridge, Mass. —

A clear, cold day. We have had some frosts of late. Took the 9.30 A.M. train, Prov. Depot for Readville. Mr. Kennedy met me at the station and we drove up to his house. Took a tramp through the woods by Blue Hill out to the   and then round the Hill back through Canton. Got a number of plants. The autumn plants are ripening and many plants are now dying. After dinner we retired to the study upstairs where we arranged my plants and talked. Mr. Kennedy gave me a Zeiss dissecting lens as a relic from Europe. He had a charming time and saw much of interest. The Alpine Flora must be very fine. All the family were gathered at supper and I heard much of their experiences abroad. After tea we sat by a log fire and talked. Took the 7.53 train home reaching the house in an hour and a half after leaving the Milton house i.e. 7.40 - 9.10 P.M. Put my plants in press and wrote my Diary - 3° over-

(132) Smilax glauca, Walt. }
(133) " rotundifolia, L. }
High climbing - Roadside
(134) Lespedeza repens, Barton. }
(135) " reticulata, Pers. }
(136) " hirta, Elliot. }
(137) Hypericum mutilum, L. lowground }
(138) Vitis Labrusca, L.
Woods - Fruit too ripe to stay on -
(139) Rhus copallina, L.
Roadside
(140) Goodyera pubescens, R. Br. }
(141) Lechea ~~minor~~, Lam. fide E. J. Hill } tenuifolia, Mx.
Woods.
(142) Viburnum acerifolium, L.
"Roadside". very abundant in this locality
(143) Lysimachia quadrifolia, L.
Fruit. Woods - Plants mostly withered
All these plants are from Milton at the foot of Blue Hill.

— Oct 3 —

— Cambridge, Mass — .

A beautiful clear, cool day. Church this A.M. This P.M. dug up some Cyperus Engelmanni to send to Dr. Britton. Compared all my summer's mounting with my Desiderata List - Mr. Churchill is getting better -

(144) Cyperus strigosus, L. } Fruit.
(145) Althaea officinalis, L. }
Rubbish-heap. low ground -

~ 1886 ~

~ Oct 4 ~

~ Cambridge, Mass ~

A clear cool day. Reached home this P.M. in time to write letters before dinner to Barnes, Bailey, Mr. Morong, Miss Reading & Dr. Schneck the latter concerning a Plantain he wanted. Distributed plants this evening ~

~ Oct 5 ~

~ Cambridge, Mass ~

A cool, cloudy day. This P.M. went to the Garden. Verified some plants. Dr. Gray, permitted me to name a large Texan collection of plants. I shall have the specimens. Suksdorf is here working at the Herbarium. This evening distributed plants and did some work ~

~ Oct 6 ~

~ Cambridge, Mass ~

A bright pleasant, light clouds. Got home this P.M. by 3.15. Spent the rest of the day distributing plants. Had a letter from Mr. Churchill written by himself, the first one since his illness. He is much better.

-1886-

-Oct 7-

-Cambridge, Mass-

A bright pleasant day. This P.M. went to the Cattle Show. Fine bulls, one weighing over 2600 lbs. Horse, 2126 lbs. Reception at Mrs. Morgan's before dinner. In the evening to the Wordsworth House to call on Edw. E. Hale. No botany to-day.

Oct. 8.

- Cambridge, Mass.-

A perfect day. This P.M. walked up to Fresh Pond. The water is very low. Did a little botanizing. Distributed plants this evening.

(146) Potamogeton perfoliatus. L.
Fresh Pond, Fruit. The water near the Engine House is choked with the plant. The water is so low that the white root-stocks form a net-work rooting in the sand above the water line.

(147) Naias flexilis Rostk
Fresh Pond. Fruit.

– 1886 –

– Oct. 9 –

– Cambridge, Mass. –

A most beautiful day, clear bright & warm. Took the 9.13 A.M train at the Fitchburg Station for Concord. Found Mr. Hoar at home. Spent the morning from about 11 to 2 on the River with Mr Hoar in his boat. The clear water reflected every object distinctly and the changing foliage was most beautiful. I never saw a more peaceful scene. We found a number of interesting things. It is very difficult I find to get the fruit of the Nymphaea odorata. We searched & searched and found two. After dinner at Mr. Hoar's I walked up to the Manse and saw Miss Ripley who returns tomorrow. Then I went over Poplar Hill enjoyed a fine view over Great Meadows and returned to Mr. Hoar's. He showed me some plants from Palermo, Sicily which he coll. in 1873. Took the 5.20 train back reaching home by 6.35.

148) Myriophyllum ambiguum Nutt., var. capillaceum Torr. & Gray
49) Proserpinaca palustris, L.
50) Ranunculus multifidus, Pursh.
51) Nymphaea odorata, fruit.
~~Assabet~~ Sudbury River - Concord.
52) Rosa rubiginosa, L.
Fruit. Poplar Hill Concord. & open ground near the hill.
The former from same bush as spec. coll. July 3-1886.
53) Lechea major, Michx. Open ground. Poplar Hill.
54) " Sandy ground by RR Concord
55) Baptisia australis, R. Br. Mr. Hoar's garden.
156) Trifolium hybridum, L. Same clump as spec. of July 10-1886.

-1886-

-Oct. 10-

-Cambridge, Mass.-

A most beautiful day. Stayed at home all day working, mostly, on my plants and writing letters.

-Oct. 11-

-Cambridge, Mass.-

A clear, cool day, rather warm in the P.M. This afternoon & evening I have been putting my various collections of seeds and the like through the poison and then packeting them.

-Oct. 12-

-Cambridge, Mass.-

A clear A.M., cloudy in the P.M. with rain towards evening. This P.M. & evening distributed packets. Mr. Hentheard from Wash. D.C. called in the evening

~Oct. 13~

~Cambridge, Mass.~ (15)

A cloudy chilly day. Distributed packets in the P.M. Wrote letters &c in the evening.

– 1886 –

– Oct. 14 –

A clear bright day. Cloudy in the late P.M. with rain. Arranged packets and distributed them. Received a few very nice plants from Dr. Schneck of Mt. Carmel, Ill. Vitis cinerea & palmata. [illegible] perpusilla & Catalpa

– Oct. 15 –

– Cambridge, Mass. –

A cloudy cool day. [illegible]

– Oct. 16 –

– Cambridge, Mass. –

A clear cool day. Spent the day at the Gray Herbarium naming Texan plants from the locality in San Antonio, Texas. There are some 400 species and Dr. Gray can't give the time. I shall leave the plants [illegible]

(157) Althaea officinalis. L. – ~~Rubbish~~ heaps – same plant as (E) 186,

– Oct. 17 –

Cambridge, Mass.

A cloudy chilly day. Took a walk this P.M. with A. Chatterton. Made a list of the Texan plants I named yesterday, [illegible]

-1886-

-Oct. 18-

-Cambridge, Mass.-

A cold day. Got to the Garden by 3.30 P.M. Named a few of the Texan Plants. Mounted 18 sheets this evening.

-Oct. 19-

-Cambridge, Mass.-

A chilly day, cloudy in the A.M. Staid in town this P.M. We dined at Mr. Volkmann's and went to the first lecture of the Grand Army Course by Gen. Lew Wallace. A most interesting account of his part in the battle of Shiloh.

Oct. 20.

Cambridge, Mass.

A cool day. This P.M. I went up and saw Mr. Churchill at his office. First time since he was sick. Very pleasant talk. Reached home for supper. This evening mounted 26 sheets.

— 1886 —

— Oct 21 —

— Cambridge Mass. —

A cloudy A.M. clear P.M. not cold. This P.M. named some of the Texan Plants at the Gray Herbarium.

— Oct 22 —

— Cambridge, Mass —

A clear cool day — This P.M. went out to Dorchester and spent the afternoon & evening with Mr. Churchill — He is recovering rapidly now. I mounted 80 sheets for him. We verified some of his Cory Plants and he gave me a number of duplicates — I left the house at 9-15 P.M. & reached home by 10-50 P.M.

Oct. 23 —

— Cambridge, Mass. —

A most perfect day — Clear, slightly warm — I have spent the day at the Gray Herbarium working on the Texan plants. I have disposed now of 88 numbers, with Dr Gray's help. Saw Prof Goodale — He has just returned from Europe —

1886

Oct 24

- Cambridge, Mass -

A clear ~~cloudy~~ day - Worked on my plants this P.M. & evening -

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Oct 25

Cambridge, Mass.

A cloudy day - This P.M. finished the Compositae of the Texan plants and [illegible] started on the Grasses -

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- Oct 26 -

- Cambridge, Mass. -

Stormy day - Staid in Boston to-day and attended the War-Lecture by Gen Stewart [illegible] on Sumter - Very fine -

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Oct. 27 -

- Cambridge, Mass -

Stormy day - This evening I poisoned Bebb's package of plants with some of my own -

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- Oct. 28 -

Cambridge.

Stormy day. This evening I put Bebb's plants in the mounting box

—1886—

—Oct—29—

—Cambridge Mass

A bitter raw day. In the evening I mounted 50 sheets in 2½ hrs—

—Oct.—30—

—Cambridge. Mass—

A very stormy day. Worked on [illegible] all day. This evening mounted 50 sheets.

—Oct 31—

Cambridge: Mass.

Cloudy & rainy—Staid in the house to-day—Took plants out of the blotters &c. Bebbs collections are a splendid set—

—Nov. 1—

Cambridge. Mass.—

Cloudy A.M. Bright & clear in the P.M. This evening Louis Drake came up, and I spent the time naming a collection of plants for him.

—Nov. 2.—

Clear & bright. Slightly warm. Election day—Voted Repub. ticket. Before dinner worked over my last bundle of Hillmann's Plants but we [illegible] [illegible] Made boxes this evening—

-1886-

-Nov. 3-

Cambridge, Mass.

Clear, cool day. Staid in town and attended the War Lecture. Gen. Horace Porter of Grant's Staff, on the character of Gen Grant. Porter was associated with Grant, on his staff and in the White House during his Presidency, for 9 yrs. It was extremely interesting. In the P.M. I called on Mr. Churchill.

-Nov. 4-

Cambridge, Mass.

Clear, cool day. Mr. Kennedy called at about 5 P.M. and staid to dinner. I went in to town with him in the evening and heard L.K.'s lecture on "the Permanence of Continental Areas." It was interesting but rather hard to understand.

(158) Bromus secalinus,

Open grass-plot, off Riedesel Ave.

-Nov. 5-

Cambridge, Mass.

Clear, cool day. This evening I went over Bebbs Willows and have written him a letter concerning some.

-1886-

-Nov. 6-

Cambridge, Mass.

Dense fog this A.M.; Rain all the P.M. Worked at the Gray Herb. all the A.M. 250th Anniversary of Harvard College has begun. No torch light procession to-night on account of the storm. Named Grasses of the Texan coll. this A.M.

-Nov. 7-

-Cambridge Mass.-

A clear, cool day. Attended the ceremonies all day. No botanical work.

-Nov. 8-

-Cambridge, Mass.-

A clear cool day. Attended the ceremonies all day. No botanical work.

Nov. 9.

-Cambridge Mass-

No botanical work. Shakespeare Club in the ev'g.

-Nov. 10- Cambridge, Mass.

Stayed in town and attended the War Lecture Maj. Lambert on Geo. H. Thomas. Interesting sketch.

Nov. 11-12

No botanical work.

-1886-

- Nov. 12 - Cambridge Mass.

This evening I poisoned some 100 sheets of Texan plants.

- Nov. 13 - Cambridge Mass.

Rainy day. Snow in the evening. This A.M. I mounted 36 sheets. This P.M. & evening I made up a package of 30 species for Bailey, one of 20 species for Miss Readin and one of 6 for Dr. Schnell.

- Nov. 14 -
- Cambridge - Mass. -

A clear, cool day. This evening I distributed the sheets mounted yesterday. Wrote some botanical letters this P.M.

- Nov 15 -
Cambridge, Mass -

A pleasant day - cloudy. This evening I took the Texan plants from the blotters and have put them away for the present in a package.

- Nov 30 - Cambridge Mass

During the past weeks I have been variously engaged in botanical matters. I have received from Bailey his set of Carices besides quite a number his Minn. Plants. I have verified them all, excepting the Carices, and have poisoned a large number. Have done a little work on the Texas Plants. Attended two of the Bar Lectures -

Synopsis of Mr. Heaver's mounting for the Summer & Winter & Spring of 1886 & 1887. It began June 22nd 1886 and ended Mar. 11-1887. My largest day's work was Sept. 16 - 126 Sheets. Next Febr. 3 - 102 sheets, & Dec. 30 - 101 sheets. No other than 80 sheets in any other day -

New Sheets. -	Sheets from Herbarium -
1286 —	100 -

During the same time I have put in my Herb.

Genera -	Species -	Var.	Var. in species -	Crosses -
37 -	198 -	17 -	5 -	3 -

U. HOLZER
BINDER
BOSTON, MASS.

BILLSTEIN & SON PHILA.

Natural Bridge Hotels.

Open Winter and Summer.

Natural Bridge, Va.,

Apr. 27 – 1886

My dear Maggie –

Here we are safe & sound in Southwestern Virginia comfortably quartered for 3 days – We left Washington this A.M. on the 7-15 train by the Va & Midland train for Lynchburg which we reached by 1 P.M. We passed right through Virginia and I have a fine idea of the country. I made the acquaintance of a gentleman, a fine looking man on the train who was in the Confederate Army in Virginia for 4 yrs... He told

I can't say too much of Mr. K's kindness.

me a great deal showed me Bull Run & Manassas Junction as we passed by and made it very interesting - He was in the 1st & 2nd Bull Run. The soil of Va is very red. At Lynchburg we changed cars and went up the James River ~~and~~ a long way through beautiful scenery and high mountains to Nat: Br: From there Mr. Kennedy & I walked to the Hotel 2½ miles. Hal rode on the stage. It was a beautiful walk and we filled our botany boxes with nice new things. We have nice rooms and shall go to the Bridge tomorrow. It is real summer here. We shall stay quietly here and botanize & rest till Friday P.M. Then we go up the Shenandoah to Luray spend the night there visit the Cave and Sat. come home, reaching Boston, Sunday A.M., you can't write again - Many kisses darling

Yr Walter.

GILLSTEIN & SON PHILA.

Natural Bridge Hotels.

Open Winter and Summer.

Natural Bridge, Va.,

Apr. 29th 1886

My dearest Margie -

Another day has glided in this lovely spot - After breakfast this morning we started off and visited the Bridge again - First we went on to the top and looked down from Pulpit Rock into the cañon below. It is simply stupendous and when you think that the road is 215 ft from the brook below nearly as high as Bunker Hill Monument - you can imagine - We botanized in

Telegraph - Good night dearest - We walked

the deep woods by the creek
both morning & afternoon and
have made fine collections - think
of the woods full of large Scar-
let Silenes, purple Phlox
yellow Lithospermum and
immense white & pink Trilliums.
The Red Bud fills the woods with
its red blossoms. An immense
Arbor Vitae, near the Hotel
measures 15 ft round one foot
from the ground and 14½ ft, 4 ft
from the ground. We leave to-
morrow at 1 o'clock for Luray
visit the Cave in the evening
and hope to reach Boston, Sunday
A.M. 7-50 N.Y. & N.E. I shall
Telegraph from Luray, when we
find out definitely connections.
I shall want a carriage as
my trunk must come right out.
And I want you to be there too -
Can't you? Of course you needn't - I
am afraid you won't get this till after 9